#### MODERN PLASTICS

INDEX TO VOLUME 31

SEPTEMBER-1953 THROUGH AUGUST-1954

Index to MODERN PLASTICS ENCYCLOPEDIA ISSUE is Bound in Each Copy

1	SENERAL INDEX OF TITLES	1
2	INDIVIDUAL SUBJECTS	3
3	INDEX OF AUTHORS	15



#### Breskin Publications, Inc.

575 MADISON AVENUE

NEW YORK 22, N. Y.

### 1 GENERAL INDEX OF TITLES

NOTE: For convenience in reference, titles of articles published in the Plastics Engineering and Technical Section are repeated and grouped separately at the end of this General Index of Titles (p. 3).

ARTICLE	Month	Page	ARTICLE	Month	Page
A			Big Business in Brushes	June	122
			Big Elastomeric Molding		110
A Challenge to Junior	June	148	Big Push with Small Premiums	April	112
			Bigger Handles-Better Irons	June	180
A "Good Press" for Plastics (Editorial)	October	5	Biggest Improvement in Pans	June	178
A Good Year—Another Ahead (Editorial)	December	5	Boon to Builders	November	87
A Perpetual Plastic Premium	December	97	Built to Take a Beating	June	151
Acetate Trim	April	213	The state of the s	o and	
Achievement in Plastics	June	121			
Acrylic Partitions	October	204	C		
Acrylic Color Techniques	July	99	•		
Acrylics	January	75	Cable Clamp	July	183
Adding Machine in Styrene Housing	October	106	Cable Harness	March	166
Adhesives Advance	November	102	Canadian S.P.I.		263
Adhesives Advance	December	98		June	
Adhesives Advance	February	107	Catheter Gage	December	92
Air Conditioning on the Road	November	107	Cellular Polyethylene by Extrusion	March	54
Air Tank	December	181	Cellulosics	January	70
Adjustable Temple	February	183	Chemical Kit	March	54
	November	98	Coloring Polyethylene	July	104
Ikyd Control Chassis	October	198	Color in Plasites	July	69
Alkyd Resin in Core Driers		112	Color in Plastics	July	99
All-Weather Humidity Control	October		Color Sells Plastics	July	73
Antenna Base	March	177	Color in Styrene and its Alloys	July	101
At the 6th N.P.E	July	108	Color Surveys: 5 Methods	July	72
Automatic Embossing	December	119	Colorants for Vinyls	July	106
			Condiment Set	April	207
			Copolymer Guard	July	185
R			Correction to Pipe and Fittings Chart	July	186
			Costs Cut With Styrene Sheet	March	82
			Coveralis	November	187
Bag-Molded Bathtubs	February	84	Covernis	Movember	101
Bean Ball" Cap	October	193			
Beauty Bent for Strength, Convenience, Econ-			n		
omy	November	113	D D		
Seat Seat in the House	June	168	and the second s		
Better Air Conditioners Use More Plastics	February	80	Decanter Display	March	163
Better Building Codes (Editorial)	January	6	Dimensional Changes in Rigid Vinyls	March	120
Biaxial Stretch-Forming of Acrylics	September	128	Drilling Coolants	October	190

ARTICLE	Month	Page		ARTICLE		Month	Page
E					P		
Effect of Pile Radiation on Electrical Insula-				Pacific Coast S.P.I		June	264
Effect of Strains on Heat Distortion	April November	148 141		Packaged Pools Packaged Safety		June December	160 195
Embedding in Acrylics Engineering Nylon Gears	November	129		Painter's Guide Peak Performance with	***************************************	March	178 98
Epoxidation-Hydroxylation Reactions	September March	115 123		Peak Performance with Phenolic and Styrene in	n Film Loader	May April	205
Epoxidation-Hydroxylation Reactions "Extruded" Reinforced Plastics Extruded Styrene Alloy Sheet	December	105		Phenolic Foam in Aire	raft Carriers	December	103 169
Extrusions Cut Lighting Costs	October November	111 108		Phenolic-Glass Molding Phenolic Hood for Hair Phenolic Resin Slims D	Dryer	May	100
				Phenolic Resin Slims I Phenolic + Wood = Q	Down Girdle Costs	March June	84 152
F				Phenolics	****************	January	65
Fire Blanket	C	***		Physiological Activity		July	136
Flame-Spraying of Polyethylene	February	166 117		Pioneering Pays Off		June April	124 212
Floor Mats Foam Insulation	September	175 190		Pipe Standards "Pitcher" Package		December	176
For Better Public Relations (Editorial)	July	5		Plastic Bobbin Plastics for Dictators .		December July	182 96
Fresh, Clean, and Handy	September June	109 178		Plastics Door		March July	172
Fresh, Clean, and Handy	February March	131 73		Plastics Door Plastics in the Do-It-Y Plastics in a Plastics L	ab	February	87 105
rustes for rustice ripe	march	10		Plastics Industry Princ Plastics Learn the Rope	eiples (Editorial)	April March	90
G.				Plastics Scintillators		March September	90 94 83
•				Plastics vs. Corrosion . Plastic Windows Curve	Outward	May	181
Geodesic Dome Glamorized Clothes Closets	September	162		Plastisol Coating Police Shield	***************************************	December October	192 186
Glass Cloth as a Drafting Medium	March	170 87		Polyester-Glass Molding	Compounds	April	121 79
Glass-Polyester Dome for Phone Booth Goodybye Redecoration	March	171 164		Polyethylene Pipe Flan	ging	January March	112
Guide to 6th National Plastics Exposition	June	184		Polystyrene		January	77 143
				Polystyrene Polyurethane Resins "Popcorn" Plastic		April May	103
н				Porous Vinyl Portable is Beautiful in		May October	185 104
Hardening Speed of Phenoplasts	March	115		Power Tool Case Precision Parts for Cor		April February	198 187
Helmet Stays on at Mach 1.04	February	100		Progress in Photo Enla	rgers	July	90
Highlights of the Plastics Picture	January	83 66		Printing Plates in Minu Progress in Plastics .	ites	April January	114 63
		125 188		Progress Through Mists	akes (Editorial)		5
"Hot Rod" Auto	June	176					
1					Q		
Ice Skating Rink From Vinyl Sheet	March	164		Quick Copy		April	102
Increasing Molding Efficiency	March	105					
Increasing Molding Efficiency Industrial Armor Injection Molding Rigid Vinyl	July December	181 113			R		
Injection Speed International Plastics Meetings	November October	119 119		Radiation of Polytetraf	Inoroethylene	October	152
Irradiated Polyethylene	April	100		Radiation Suit		December	191
It Adds Up to Plastics	July June	110 137		Records Swing to Styre Refrigerator Revolution		June June	172 142
It Clings to Itself It Could Happen Again! (Editorial) It Had to be Sold!	September June	181		Reinforced Plastics by- Reinforced Plastics Con Reinforced Plastics Tan	the-Yard	February February	88 106
The same to be bound in the same same same same same same same sam	o unc	101		Reinforced Plastics Tan	k Truck	October	185
1				Research and Standard	s for the Plastics In-	July	127
Jobs for a New Material	Amail	100		dustry		October	125 158
	April	109					
L sa			\$ 1	2.47	S		
Larginated Tops	July February	161 188		"Safety Hats" for Moto	rs	February April	96 202
Laminated Tops Light Control in Plastics Glazing	February	83		Safety With Comfort .		October	103
		206 134		Safety Window Safety With Comfort Sales Appeal for Golf E "Sandwich" Walls for I	Milk Tank	September February	97 87
Light in the Modern Manner Luxury Novelties from Stock Boxes	September	164		Seif-Bonding Polyethyle	ne Tape	December May	185 87
				Shape a Sheet Shaver Housing		July	156
M				Shelf Guard Shell Dispenser		April November	209 180
"Marble" Surface	May	183		Shoe Cleats		March November	175 99
"Marble" Surface Melt Flow of Polyethylene Minimum Maintenance for Cab Interiors The MiniSuh	October	146		Small but Mighty		December	104
The MiniSub	July December	94 108		S.P.E. Officers		September March	102 180
Modernized Work Horse	July February	86 146		S.P.E. Technical Confer	rence	February July	126 109
The MiniSub Modernized Work Horse Modification of Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins	December	136		Speaker Coating	* * * * * * * * * * * * * * * * * * * *	April	201
Mold Temperature Control  Molded Acetate Hobby Kits  Molded for Precision  Molded for Precision  Molding Swivel Chair Bases  Mothers Name Hed I So Good	October October	131 189		Shell Dispenser Shoe Cleats Shory Preforming Small but Mighty Soups on Display S.P.E. Officers S.P.E. Technical Confer S.P.I. Conference—1954 Speaker Coating Spiral Abrasive Drum Spiral Abrasive Drum Csports Car Body is 16 Fi	Long	November October	138 202
Molding Swivel Chair Rases	March December	88 116		Sprayed-On Masks Stabilization of Polyvin Standards—and Marketin	al Chlada	September	98
Mother Never Had It So Good	June	126		Standards—and Marketin	ng (Editorial)	November November	150
				Styrene Display		July October	157 201
N				Styrene Reel		Februray	184 179
New Day in Distribution	June	161		Styrene Reel	Dinnerware	December June	166
New John for Sprayed On Planting	December October	196 93		Suds, Scrubs, Scrapes .		May September	106
"New Look" for Windows	June	130		Summer Skating Superpipe Super Sign for Shell		April	105
New Switch on Spouts	June February	140 101		Super Sign for Shell		February	112
New Day in Distribution New England S.P.I. New Jobs for Sprayed-On Plastics "New Look" for Windows New Switch on Spouts New Techniques in Fabricating Honeycombs New Tools, New Plant for Car Bodies	July	115					
Nylon Case Nylon Nut Liners	February	76 180			T		
Nylon Nut Liners Nylon Salad Set	March May	160 184		Table Cover Comeback	******************	June	157
		104		Tape Reel		September July	171 160
0				The Allyl Resins		October	139
				The Industry Grows Stro	Reinforced Plastics	March February	79
One Mold—Two Radios	July	82 121		The New Transparent P The Plastics Era in Air	lastics	October	107 92
Octoberry Aging of Polyethyshe	September	***		THE PROPERTY OF THE AIR		September	92

ARTICLE	Month	Page	ARTICLE	Month	Pa
The Problems of Color in Plastics	July	70	Vinyl Foamed With Gas	April	1
he Smaller the Better	June	158	Vinyl on the Inside	June	11
The World in Acrylic	May	102	Vinyl Outerwear	April	10
Thermoplastic Pipe and Fittings Chart	March	74	Vinyl Plastisol Anti-Corrosion Coating	April	11
Thermostat Sleeve	July	178	Vinyl Spray		11
Tiny Insulators	April	210	Vinyl-Steel Laminates	May	1
Tool Housing	November	184	Vinyl Straps	July	1
omorrow's Mirrors	July	107	Vinyl Takes the Floor	June	1
railer Expands for Sleeping Quarters	July	159	Vinyl Tubes	May	1
ray Carrier	December	186	Vinyl Upholstered Toilet Seat	September	1
rays That Speed Production	February	98			
Frends in Materials Use	January	65			
Fruck-Trailers	October	99	W		
Tubing Harness	May	180			
Types of Colorants for Plastics	July	75	Weather Sealant	February	1
			Weed Control	May	1
**			Welcomed by Fishermen	September	1
U			What Makes Dugged Dainwear	June	1
			What You Should Know About Plasticizers	October	1
Jrea and Melamine	January	69	What You Should Know About Plasticizers What You Should Know About Plasticizers	November	
			What You Should Know About Plasticizers	December	
		-	When Your Car Starts	October	
· V			Where is Vinyl Acetate Heading?	September	
			Window Gasket	July	
Consume Matalliates of Directs Object		***	Windshield Cover	May	-
acuum Metallizing of Plastic Sheet	December	122	Wiring Strip	July April	,
/inyl Chloride	January	72 83	Wizardry in Circuitry	March	
thy finish final	July				
Vinyl Foam Makes Better Gaskets	July	80	Woven Glass Roving	February	
Vinyl Foam Makes Better Gaskets	July	80	Woven Glass Roving	February	1
	July	80		Month	Par
PLASTICS ENGINEERING			PLASTICS ENGINEERING (Continued)	Month	Pa
PLASTICS ENGINEERING	June	198	PLASTICS ENGINEERING (Continued) Vacuum Metallizing of Plastic Sheet	Month December	1
PLASTICS ENGINEERING New Look at Extrusion	June December	198 119	PLASTICS ENGINEERING (Continued)	Month	1
PLASTICS ENGINEERING  New Look at Extrusion	June December May	198 119 125	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas	Month December	1
LASTICS ENGINEERING  New Look at Extrusion  utomatic Embossing  utomatic Injection Molding  ellular Polyethylene by Extrusion	June December May March	198 119 125 99	PLASTICS ENGINEERING (Continued) Vacuum Metallizing of Plastic Sheet	Month December	1
LASTICS ENGINEERING  New Look at Extrusion  utomatic Embossing  utomatic Injection Molding  ellular Polyethylene by Extrusion  mbedding in Aerylics	June December May March November	198 119 125 99 129	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION	Month December April	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion imbedding in Acrylics ingineering Nylon Gears	June December May March November September	198 119 125 99 129 115	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose	Month December April	1
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Acrylics ngineering Nylon Gears ngineering Progress in 1953	June December May March November September January	198 119 125 99 129 115	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Acrylics	Month December April  July September	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Acrylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene	June December May March November September January February	198 119 125 99 129 115 91	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Acrylics  Dimensional Changes in Rigid Vinyls	Month December April  July September March	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies	June December May March November September January February	198 119 125 99 129 115 91 117 109	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Acrylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton	Month December April  July September March April	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Acrylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts	June December May March November September January February September March	198 119 125 99 129 115 91 117 109 115	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Acrylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion	Month December April  July September March April November	
New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Acrylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds	June December May March November January February September March July	198 119 125 99 129 115 91 117 109 115 93	PLASTICS ENGINEERING (Continued) Vacuum Metallizing of Plastic Sheet Vinyl Foamed with Gas  TECHNICAL SECTION Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion Epoxidation-Hydroxylation Reactions	Month December April  July September March April November March	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Acrylics mgineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds screasing Molding Efficiency	June December May March November September January February September March July March	198 119 125 99 129 115 117 109 115 93 105	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Acrylics Dimensional Changes in Rigid Vinyls Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion Epoxidation-Hydroxylation Reactions Epoxy Casting Resins in Electronics	Month December April July September March April November March July	
New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds hereasing Molding Efficiency jection Molding Rigid Vinyl	June December May March November September January February September March July March December	198 119 125 99 129 115 91 117 109 115 93 105	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose  Biaxial Stretch-Forming of Aerylics  Dimensional Changes in Rigid Vinyla  Effect of Pile Radiation on Electric Insulation  Effects of Strains on Heat Distortion  Epoxy Casting Resins in Electronics  Factors in Electrical Insulator Design	Month December April  July September March April November March July May	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding lellular Polyethylene by Extrusion mbedding in Aerylics mgineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds creasing Molding Efficiency jection Molding Rigid Vinyl jection Speed	June December May March November September January February September March July March	198 119 125 99 129 115 117 109 115 93 105	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion Epoxidation-Hydroxylation Reactions Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics	Month December April July September March April November March July	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds tereasing Molding Efficiency jection Molding Rigid Vinyl jection Speed ighting System Redesigned in Reinforced	June December May March November September January February September March July March December November	198 119 125 99 129 115 91 117 109 115 93 105	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Acrylics Dimensional Changes in Rigid Vinyls Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion Epoxy Casting Resins in Electronics Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised	Month December April July September March April November March July May February	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds creasing Molding Efficiency jection Molding Rigid Vinyl jection Speed ighting System Redesigned in Reinforced Plastics	June December May March November September January February September March July March December November July	198 119 125 99 129 115 91 117 109 115 93 105 113 119	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion Epoxidation-Hydroxylation Reactions Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers	Month December April  July September March April November March July May	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds tereasing Molding Efficiency jection Molding Rigid Vinyl jection Speed gisthing System Redesigned in Reinforced Plastics achines for Thermoplastics	June December May March November September January February September March July March December November July July January	198 119 125 99 129 115 91 117 109 115 93 105 113 119	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion  Epoxy Casting Resins in Electronics Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticized Polymers Heat-Resistant Silicone Foams	Month December April July September March April November March July May February July	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds creasing Molding Efficiency jection Molding Rigid Vinyl jection Molding Rigid Vinyl jection Speed ighting System Redesigned in Reinforced Plastics achines for Thermoplastics old Temperature Control	June December May March November September January February September March July March December November January October	198 119 125 99 129 115 91 117 109 115 93 105 113 113 119	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion Epoxidation-Hydroxylation Reactions Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics	Month December April  July September March April November March July May February July May	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds creasing Molding Efficiency jection Molding Rigid Vinyl jection Speed gisthing System Redesigned in Reinforced Plastics achines for Thermoplastics old Temperature Control olding Swivel Chair Bases	June December May March November September January February September March December November July July January October December	198 119 125 99 129 115 117 109 115 93 105 113 113 114 115 181	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion  Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics Melt Flow of Polyethy inee	Month December April July September March April November March July May February July May December	
LASTICS ENGINEERING  New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion mbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds creasing Molding Efficiency jection Molding Rigid Vinyl jection Molding Rigid Vinyl jection Speed ighting System Redesigned in Reinforced Plastics achines for Thermoplastics old Temperature Control olding Swivel Chair Bases olyester-Glass Molding Compounds	June December May March November September January February September March July January October December April	198 119 125 99 129 115 91 117 109 115 93 105 113 113 119	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion  Epoxidation-Hydroxylation Reactions Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers  Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics Melt Flow of Polyethylene Modification of Phenol-Formaldehyde Resins	Month December April July September March April November March July May February July May December October	
LASTICS ENGINEERING  New Look at Extrusion untomatic Embossing untomatic Injection Molding ellular Polyethylene by Extrusion mabedding in Acrylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies lardening Speed of Phenoplasts owt to Make Flexible Model Molds nereasing Molding Efficiency njection Molding Rigid Vinyl spection Speed sighting System Redesigned in Reinforced Plastics achines for Thermoplastics olding Swivel Chair Bases olyester-Glass Molding Compounds olyethylene Pipe Flanging	June December May March November September January February September March July March December November July January October December April March	198 119 125 99 129 115 117 109 115 93 105 113 113 119 104 115 181 116 121	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion  Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics Melt Flow of Polyethy ene Modification of Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins	Month December April July September March April November March July May July May July May February July February	
CLASTICS ENGINEERING  New Look at Extrusion untomatic Embossing untomatic Embossing untomatic Injection Molding ellular Polyethylene by Extrusion mapeding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies iardening Speed of Phenoplasts owt to Make Flexible Model Molds nereasing Molding Efficiency jection Molding Efficiency jection Molding Efficiency jection Speed jection Speed jection Speed jection Speed jection Speed jection Molding Efficiency jection Molding Compounds olding Swivel Chair Bases olyester-Glass Molding Compounds olyethylene Pipe Flanging estricted Gating nulle Stage Preplasticizer	June December May March November September January February September March July January October December April	198 119 125 99 129 127 115 91 117 109 115 93 113 119 104 115 131 116 121	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulation Effects of Strains on Heat Distortion  Epoxidation-Hydroxylation Reactions Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers  Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics Melt Flow of Polyethylene Modification of Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins Oxidative Aging of Polyethylene	Month December April July September March April November March July May Pebruary July May December October February December	
New Look at Extrusion utomatic Embossing utomatic Injection Molding ellular Polyethylene by Extrusion imbedding in Aerylics ngineering Nylon Gears ngineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies ardening Speed of Phenoplasts ow to Make Flexible Model Molds creasing Molding Efficiency njection Molding Rigid Vinyl njection Speed ighting System Redesigned in Reinforced Plastics achines for Thermoplastics old Temperature Control olding Swivel Chair Bases olyester-Glass Molding Compounds olyethylene Pipe Flanging estricted Gating ingle Stage Preplasticizer olying Big Mold Problems	June December May March November September January February September March July January October December April March October	198 119 125 99 129 129 115 91 117 109 115 93 113 114 115 116 118 116 121 112	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion  Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics Melt Flow of Polyethylene Modification of Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins Oxidative Aging of Polyethylene Polyurethane Resins	Month December April July September March April November March July May February July May February December October February December September	
PLASTICS ENGINEERING  A New Look at Extrusion uutomatic Embossing uutomatic Injection Molding cellular Polyethylene by Extrusion mbedding in Acrylics ingineering Nylon Gears ingineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies lardening Speed of Phenoplasts tow to Make Flexible Model Molds increasing Molding Efficiency njection Molding Rigid Vinyl njection Speed ighting System Redesigned in Reinforced Plastics lachines for Thermoplastics told Temperature Control tolding Swivel Chair Bases olyester-Glass Molding Compounds olyethylene Pipe Flanging estricted Gating ingle Stage Preplasticizer olving Big Mold Problems P.E. Technical Conference	June December May March November September January February September March July March December November July January October December April March October January January January January January January January	198 119 125 99 129 115 117 109 115 93 105 113 119 104 115 131 116 121 121 121	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulation Effects of Strains on Heat Distortion  Epoxidation-Hydroxylation Reactions Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers  Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics Melt Flow of Polyethylene Modification of Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins Oxidative Aging of Polyethylene	Month December April July September March April November March July May February July May December October February July Telephone February July October October October October October	111111111111111111111111111111111111111
New Look at Extrusion automatic Embossing automatic Embossing automatic Injection Molding cultumatic Injection Molding cultumatic Injection Molding cultumatic Injection Molding cultumatic Injection Molding migneering Nylon Gears ingineering Nylon Gears ingineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies lardening Speed of Phenoplasts tow to Make Flexible Model Molds increasing Molding Efficiency injection Molding Rigid Vinyl injection Speed ishting System Redesigned in Reinforced Plastics lachines for Thermoplastics loid Temperature Control loiding Swivel Chair Bases olyester-Glass Molding Compounds olyester-Glass Molding Compounds olyethylene Pipe Flanging setricted Gating ingle Stage Preplasticizer olying Big Mold Problems P.E. Technical Conference opiral Abrasive Drum Covers	June December May March November September January February September March July January October December April March October January	198 119 125 99 129 115 91 117 109 105 113 114 115 131 116 121 125 110 189	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion  Epoxidation-Hydroxylation Reactions Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers  Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics Melt Flow of Polyethylene Modification of Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins Oxidative Aging of Polyethylene Polyurethane Resins Properties of Plastics Films	Month December April  July September March April November March July May July May July May February Jecember October February December April June	
PLASTICS ENGINEERING  A New Look at Extrusion utomatic Embossing utomatic Injection Molding cellular Polyethylene by Extrusion Embedding in Acrylics Ingineering Nylon Gears Ingineering Progress in 1953 lame-Spraying of Polyethylene orming Steel with Plastics Dies Lardening Speed of Phenoplasts tow to Make Flexible Model Molds nereasing Molding Efficiency njection Molding Rigid Vinyl njection Speed izshting System Redesigned in Reinforced	June December May March November September January February September March July March December November July January October December April March October January June February	198 119 125 99 129 1115 91 117 109 1115 93 105 113 119 104 115 131 116 121 121 125 136	PLASTICS ENGINEERING (Continued)  Vacuum Metallizing of Plastic Sheet  Vinyl Foamed with Gas  TECHNICAL SECTION  Adhesion of Polymers to Cellulose Biaxial Stretch-Forming of Aerylics Dimensional Changes in Rigid Vinyls  Effect of Pile Radiation on Electric Insulaton Effects of Strains on Heat Distortion Epoxy Casting Resins in Electronics Epoxy Casting Resins in Electronics Factors in Electrical Insulator Design Frictional Properties of Plastics Funginertness of Internally Plasticised Polymers Heat-Resistant Silicone Foams Highly Filled Glass-Polyester Plastics Melt Flow of Polyethylene Modification of Phenol-Formaldehyde Resins Modified Phenol-Formaldehyde Resins Oxidative Aging of Polyethylene Polyurethane Resins Properties of Plastics Films Radiation of Polyethylene Radiation of Polyethylene	Month December April July September March April November March July May February July May December October February July Telephone February July October October October October October	

## 2 INDIVIDUAL SUBJECTS

(ab) = Abstract, from Plastics Digest; (ma) = Machinery and Equipment; (pl) = Plastiscope; (pp) = Plastics Products

IMPORTANT: Researchers and other users of this index are cautioned to remember that the annual reviews of engineering progress and of material, processing, and applications, published in the January issue, are not indexed because of their survey nature. Neither are the monthly departments entitled U. S. Plastics Patents, Production of Plastics

Materials, International Plastics News, and Books and Booklets (except books under the subject heading of "Book Reviews"). Also omitted from this index are those Plastiscope items devoted to company news, personal news, and similar items of timely news value, but not considered as reference material.

A	Month	Page	ACRYLICS (Continued)	Month	Page
ACHIEVEMENT IN PLASTICS	June	121	Reaction rate, study of (ab)		132 112 93 98
ACRYLICS			Sprayed-on masks Stretch-forming of, biaxial	September	98 128
Adhesives for glass Air conditioning ducts, automobile Biaxial stretch-forming of Brush backs Building construction, use in (editorial) Business machine use of Color techniques for Corneal lenses (ab)	November September June	107 107 128 122 5 110 99 156	Telephone timer (pp) Textile processing (ab) Trends in Windshield cover, vinyl World globe, 11-ft. acrylic	September December November January May May	128 110 156 75 182 102
Crazing, effect of stretching on	September	128	Acrylic, for glass	February	107
Crazing, stress and strain (ab)	November	161	Aircraft parts, phenolic for (ab)	August	144
Embedding in	November October	129 122	Alkyd, for glass Bond strengths (ab)	February February	107 154
Heat distortion, effect of strains on	November	141	Developments in (ab)	April	164
Improved new	October	107	Do-it-yourself market for	August	87
Level, molded	March	88	Epoxy	November	102
Lighting diffusers, extruded	November	108	Epoxy, for glass	February	107
Luminous ceilings	November	87	Equipment for handling	November	102
Markers, reflecting (pp)	March	97	Glass bonding	February	107
Masks, sprayed-on	September	98	Honeycomb use of	February	104
Paint, dispersions in (ab)		144 204	Metal bonding (ab)	March December	126 93

ADHESIVES (Continued)	Month	Page	BOOK REVIEWS	Month	Page
Melamine Phenolic, for glass	November February	102 107	American Chemical Industry—by William	July	144
Polyurethane	April	143 102	ASTM Standards on Electrical Insulating Materials	October	172
Processes for	November November	102	A Guide to Safety in the Chemical Labora-	October	2.2
Reaction-sensitive Resorcinol Resorcinol, for glass	December November	102	tory—by General Safety Committee of the Manufacturing Chemists Association,	w	100
Resorcinol, for glass	February September	107 93	A Line-Formula Chemical Notation-by	May	166
Rockets and missiles, uses in Rubber, for glass Silicone, for glass	February February	107	William J. Wiswesser British Empire Trades Index British Plastics Year Book, 24th edition Catalysis, Vol. I—edited by Paul H. Emmit Cationic Polymerisation and Related Com-	August	162 148
Solvent-sensitive	December April	93 168	British Plastics Year Book, 24th edition Catalysis, Vol. I—edited by Paul H. Emmit	June May	250 166
Structural, testing (ab) Styrene, for glass Sulfited tannin resins (ab)	February March	107 124		November	170
Synthetic resin	November September	102 138	plexes—by P. H. Plesh Chemical Engineering Catalog 1953-54 Chimie des Colloides Organiques—by H.	February	164
Testing (ab)	November	102 102	Staudinger Color Wheel for Color Planning—by Louis	October	172
Urea formaldehyde	November November	102	Cheskin Company Practices in Marketing Research	July	144
Vinyl, for glass	February October	107 156	by Richard D. Crisp	November	170
Wood-to-wood	November	102	—by Richard D. Crisp		
AIR CONDITIONING			Irwin	October	172
Housing, reinforced plastics	February	80	Die Technologie der Klebstoffe—by C. Luttgen	April	184
Humidifier-dehumidifier, portable Portable unit, plastics in	December October	90 112	Experimental Inorganic Chemistry—by R. E. Dodd and P. L. Robinson	April	184
Window type units, plastics in	February	80	Formaldehyde—by J. Frederic Walker France-Plastiques	October December	172 154
AIRCRAFT			The Furans—by A. P. Dunlop and F. N. Peters	September	152
Adhesive, use of phenolic (ab)	August	144	The Future for Aromatic Chemicals—by	September	100
Aircraft control panel, alkyd	November December	98 142	The Future for Aromatic Chemicals—by W. W. Abbott, T. A. Christiansen, G. Gardiner, J. G. Lee, G. H. Martin, S. Miller and R. J. Schaaf	T-1-	144
Aircraft, plastics in (ab) Armor, plastics for Foam, phenolic, in aircraft carrier	September	92 103		July	144
Foamed polyesters in aircraft (ab)	December November	156	W. Lupton, Jr.  Indian Plastics Directory Induction and Dielectric Heating—by J.  Weeley Cable	March August	140 162
Glider wings phenolic-ashestos (ab)	November February	161 160		May	166
Helmet, reinforced plastics Missiles, plastics in Plastics for, transparent	September October	93 107	Industrial Directory of New York State Laboratory Instruments, Their Design and Application—by A. Elliott and J. Home	October	172
Plastics in British (ab)	September May	92 146	Application—by A. Elliott and J. Home Dickson	July	144
Reinforced plastics in	September September	93 93	Latex in Industry—2nd edition, by Royce J. Noble		154
Windshield cover, vinyl	May	182	Materials and Processes 2nd edition by	December	
AGRICULTURE			James F. Young Matieres Plastiques—by M. Fournier, et al.	May January	166 148
Irrigation pipe, plastics	March	78	Matthews Textile Fibers—6th edition, edited by Herbert R. Mauersberger	July	144
Weed killer, plastics parts in	May	186	Opportunities in Plastics—by Denis A.	March	140
ALKYD			Organic Analysis, Vol. I—by J. Mitchell, I. M. Kolthoff, E. S. Proskauer, and A.		
Adhesives for glass	February October	107 198	Organia Coating Tashnalam Valuma I	November	170
Core driers, reinforced plastics Electrical chassis	November November	98 98	by Henry Fleming Payne Organic Peroxides—by Arthur V. Tobolaky and Robert B. Mesrobian	April	184
Glass reinforced Molding compound, glass (pl)	September	212	and Robert B. Mesrobian	June	250
Styrene in modified (ab)	March	130	William von Fischer and Edward G. Boba-	Diamon	164
ALLYL			lek Pioneers of Progress Plastics Progress 1953	February May	166
Mirrors, CR-39	August	107	Plastics for the Home Craftsman—by Rod-	February	164
			ney Hooper Plexiglas Craftsman's Handbook	September June	152 250
ANTI-STATIC			Polymer Degradation Mechanisms—Na- tional Bureau of Standards Circular 525		
Neutralizer, Herbert (ma)	December	168	Stewart's Scientific Dictionary—by Jeffrey	April .	184
APPLICATION TRENDS IN 1953	January	81	R. Stewart, 4th edition	December	154
AFFEIGATION TREMPS IN 1999	bandary		and Future—American Society for Test- ing Materials	March	140
ATOMIC RADIATION-See Nuclear Radiation			Tables of Circular and Hyperbolic Sines		166
			and Cosines for Radian Arguments Techniques of Plant Maintenance and En-	May	
AUTOMOTIVE—See also specific materials		***	Textbook of the Materials of Engineering —by Robert F. Moore and Mark B.	September	152
Air conditioning systems, plastics in Bodies, Chevrolet Corvette	November December	107 83	Moore Moore and Mark B.	September	152
Bodies, Chevrolet Corvette Bodies, mass production of (pl) Bodies, mass production of reinforced	February	230	Moore Timing Engineering—by Myrten G. Saake Toxicity of Industrial Organic Solvents— revised edition, by E. Browning	December	154
plastics Camp trailer body, reinforced plastics Car body, Mayerick	August	115 159	revised edition, by E. Browning	July	144
Car body, Maverick	October February	202 178	BOTTLES		
Joint sealer, body Plastics in British (ab)	May October	146 114			101
Plastics in starters and generators Reinforced plastics tank, 3400-gallon truck	October September	185	Plastics, uses for	June September	161 216
Speedometer gears, nylon		115			
walls in Trailers, reinforced plastics bodies for Unbolstery, taxicab	February October	87 99			
Upholstery, taxicab	August June	94 138	BRUSHES	0.4.1	
AVIATION—See Aircraft			Acrylic hair (pp)		122 122 122
В			BUILDING APPLICATIONS		
BATHROOM ACCESSORIES—See Household			Acrylies in	November	87
			Acrylics, structural panels of	November November	87 87 84 93
BATTERIES	Warnet	100	Awnings, reinforced plastics Bathtubs, bag molded reinforced plastics Coatings, sprayed-on wall	February October	84 93
Separators, phenolics in (ab) Separators, vinyl (ab)	March October	126 156	Coatings, sprayed-on wall Codes, better building (editorial) Dome, reinforced plastics geodesic	January September	162
BONDING-See Adhesives and Heat Sealing			Dome, reinforced plastics geodesic Doors, reinforced plastics Garage doors, reinforced plastic	March November	172 87
BOADING See Admenter and Best Seating					

BUILDING APPLICATIONS (Continued)	Month	Page	CLOTHING	Month	Page
Glazing, light control reinforced plastics Glazing, plastics for	February Novmeber	83 87	Coveralls, vinyl protective	November April	187 106
Lighting, reinforced plastics in overhead Materials, structural plastics chart Plastics in (editorial)	July November	104 87	Outerwear, vinyl Rainwear, progress in vinyl	June	132
Plastics in (editorial)	January	5	COATINGS		
Plumbing, polyethylene (ab) Reinforced plastics in Reinforced plastics partitions	October November	156 87	COATINGS	Anomat	144
Roofs sprayed-on vinyl coating for	October	87 93	Acrylic resin paints (ab) Enamel for styrene (pl)	August September	214 161
Standards, plastics Structural paneling, continuous production of reinforced plastics	November	87	Lacquer adhesion, problems of	July December	192
of reinforced plastics	February October	88 93	Plastisol, metal basket Polyethylene, flame spraying of Polyethylene foam wire coating	march	117 99 148
Window, flexible cellulose acetate butyrate Window gasket, molded silicone		202 175	Polyurethane Primers, chemistry of wash (ab)	April March	
Windows, outward curving reinforced plastics	May	181	Protective selecting (ch)	December March	144
presents	may	101	Shrunk-on vinyl (ab) Styrenated ester (ab) Vacuum coater, Consolidated (ma)	July January	144 128 124 142
BUSINESS MACHINES				April July	197 83 140
Adding machines with styrene housing	October	106	Vinyl plastisol protective Vinyl polymers in (ab) Vinyl sprayed Vinyl wire, formulations	September	140 182
Adding machines, plastics in Dictating machines, plastics in	August	110 96	Vinyl sprayed Vinyl wire, formulations	November November	93
Dictating machines, plastics in	May April	107 102			
Photo copiers, plastics in	February	154	COLORS AND COLORING		
			Acrylic, techniques for	August	99 69
C			Color in plastics	August	99 70
CALENDERING			Colorants, types of	July June	74
			Color preferences, range of Colorants, types of Laminates, uniformity in (ab) Merchandising with	July	70, 73 76
Inclined "Z", Adamson United (ma) Temperature correction in (ab)		246 126	Pigments, performance of	July July	76
			Polyethylene black (pl)	August November	104 230
CASTINGS			Problems of	July July	70 74
Acrylic embedments	November	129	Selection of	July July	70, 78
Acrylic embedments  Epoxy resins in electronics  Exotherm, measurement of (ab)	July December	118 144	Styrene and styrene alloys	August July	101 72
Film, Dornbusch machine for (ma)  Molds for, flexible  Phenolic molds for girdles		138 93	Vinyls	August	106
Phenolic molds for girdles	March	84	COMPRESSION MOLDING EQUIPMENT—See		
CELLULAR PLASTICS—See Foamed Plastics			Machinery and Equipment and Presses		
CELLULOSE ACETATE			CONTROL EQUIPMENT		
Automotive models	October	189	Hydraulic, M & N (ma) Temperature, Aero (ma)	June October	242 170
Brush backs	June	122 122	Temperature, mold	October December	131 166
Calculator, tax (pp) Dolls, premium group of	October December	97 122	Temperature, mold Temperature, West (ma) Tubing harness, polyethylene	May	180
Fishing float (pp) Golf balls packaging Handbag packaging	October September	97 106			
Marionette, parts for (pp)	September August	112	COPOLYMERS		
Packaging uses of (pl)	June June	161 382	Allyl resins, survey of	October August September	139 185
Sales volume (pl)	April December	234 142	Corrosion resistant uses of	October	88 103
Sprayed coatings of	October	93 118	Moisture conditioner, styrene parts for	October March	112 78
Telephone, interoffice (pp)	April May June	110 168	Pipe, styrene Sheets for vacuum forming	May March	87 206
Toilet seats Toy automobile, "Hot Rod" Toys, progress in	November June	188 148	Styrene, new (pl)	March	168
Trim, metallized	April	218	CORPORION CONTROL	4	
			CORROSION CONTROL	July	83
CELLULOSE ACETATE BUTYRATE			Coating, control valve protective Coating, protective vinyl	April	197
Brush backs	June November	122 180	Pipe, corrosion resistant Plant equipment, protection of (ab)	September December	83 142
Cartridge dispenser Corrosion resistant uses of Display decanter, vacuum formed	September	83 163	Plastics combat	September June	83 232
Display decanter, vacuum formed Eyeglas temples, adjustable	February	183	Problems of	September	83
Fishing float (pp) Globe, world (pp)	October September	122 106			
Lacquer adhesion to N.P.E. display Packages, progress in	July August	161 108	D		
Painter's guide	June March	161 178			
Peclable (pl)	September June	216 158	DECORATING AND DECORATIVE APPLICATIONS		
Sheets, signs formed from (pl)	June May	384 110	Embossing, automatic	December	119
Pipe	March	78	Engraving machine Proje (ma)	May November	161 113
Pipe line, first cross-country (ab) Shelf guard, medicine cabinet	April April	162 209	Lagravia incomed phenolic  Laminate, postformed phenolic  Machine, Acromark (ma)  Machine, Marken (ma)  Marble surface polyester  Marking machine, Markem (ma)  Marking machine, Markem (ma)	June June	244 242
Snake bite kit (pp)  Sprayed coating  Tractor, remote controlled toy (pp)	November October	117 93	Marble surface polyester	May May	183
Tractor, remote controlled toy (pp) Weed killer, parts in	September May	107 186	Marking machine, Markem (ma)	February	168 174
Window, safety	April	202		August	122 108
CELLULOSE NITRATE			N.P.E. uisplay Name plates, three dimensional (ab) Painting machine, Conforming Matrix (ma)	August September	144 148 152
	June	168	Plastics products (ab)	February December	92
Toilet seats			DEFENSE—See Military		
CELLULOSE PLASTICS N.P.E. display	August	108	DESIGN		
CELLULOSE PLASTICS  N.P.E. display Sales of Tool handles of	January June	63 151	DESIGN Automobile bodies. Chevrolet	December	88
CELLULOSE PLASTICS N.P.E. display	January June	63	DESIGN	December July May May	83 124 146 142

DESIGN (Continued)	Month	Page	EPOXIES (Continued)	Month	Page
Model molds, flexible Mold, double purpose New concept of Rubber-phenolics, engineering (ab)	July December	93 82 90 124	Polymers combined with, liquid (ab) Primer, corrosion resistant (ab) Production plans for (pl) Styrenated, styrene in (ab)	August June October March	142 232 232 130
DISHWARE-See also Household and Kitchen			EQUIPMENT—See Machinery and Equipment		
Melamine, success of	June	166			
DISPENSERS			ETHYL CELLULOSE	0-4-1	114
Condiment, polyethylene (pp)	December	111	Coils, coating for Phonograph records (pl) Markets for (pl)	October May May	114 212 212
DISPLAYS—See also Signs			markets for (pr)	may	212
Decanter, vacuum formed cellulose acetate			EXPANDED PLASTICS—See Foamed Plastics		
butyrate Golf ball, styrene	March	163 157	EXTRUSION AND EXTRUDERS		
DO-IT-YOURSELF MARKET		87	Acrylic, corrugated Cable sheath, controlling thickness of polyethylene Capstan, Robbins (ma) Case histories of (ab)	November May May May	108 115 161 146
			Die base design	June August	198 144
E			Extruders review of (ab)	July November	127 166
EDITORIALS			Laminator, Egan (ma) Machinery, Barzantni (ma) Multi-tube	August	158 180
A "Good Press" for Plastics A Good Year—Another Ahead Better Building Codes For Better Public Relations It Could Happen Again! Plastics Industry Principles Progress Through Mistakes Standards—and Marketing The Do-It-Yourself Market The Industry Grows Stronger The Record of Silent Successes We can Learn a Lot Abroad	December January July September April February November August March June	55555555555555	Multi-tube Plasticizers for vinyl Plasticizers for vinyl Plasticizers for vinyl Polyamides, processing by (ab) Polyethylene, cellular Progress in (ab) Rates, effect of plasticizers on (pl) Reinforced plastics Techniques for (ab) Techniques, styrene (ab) Trends in (ab) Variables, statistical study of (ab) Wire coating, teflon (ma)	November December July March September March December	98 98 128 99 136 212 105 146 134 230 154
EDUCATION					
World globe, 11-ft. acrylic	May	102	F		
World globe, cellulose acetate butyrate (pp)	September	106	FABRICATING		
ELECTRICAL APPLICATIONS			Abrasive drums	November	138
Alkyd control chassis Battery separators, vinyl (ab) Cable clamps, reinforced plastics Cable cover, polyethylene submarine (pl) Cable harness Cable sheath, measuring thickness of polyethylene Circuits, etched Coils, coated motor Conductive plastics (ab) Hearing aid, transistors in	August April March May April October October	98 156 183 234 166 115 94 114 154 98	Abrasive drums Acrylic sign, 13 ft. Shell Automobile botics, Chevrolet Drilling coolants Laminates, postformed Polyethylene, flame spraying of Review of (ab) Styrene sheet for refrigerators Tapping, high speed (ab) Unplasticized P.V.C. (ab)	November February January March	112 83 190 113 117 134 82 136
Insulation, effect of pile radiation on Insulation, plastics (ab)	April January	148 134	FABRICS—See Textiles		
Insulation, polyethylene wire	March	99 162	FIBERS-See also Textiles		
Insulation, vinyl (ab)	October April	156 210	Brush (pl)	September April	210 143
Interoffice telephone, acetate (pp) Loudspeaker, vinyl latex in	May April	110 201			
Loudspeaker, vinyl latex in Outlets, molded urea clip-on (pp) Printed circuits, methods of producing	February April	115 91 91	FILM AND SHEET-See also Sheet Forming		
Resistors, printed Shaver housings, Schick melamine Switches, printed	July	156 91	CR-39 for mirrors	August	107 138
Telephone, acetate interoffice (pp)	May	110 178	Clothing, vinyl outer	April August	106 87
Thermostat sleeve, moisture proof Vinyl insulated components (ab)	April	162 166	Films, testing stiffness of (ab)	January	134 137
Wire splice caps, polyethylene	August	179	Impact testing (ab)	December October	146 156
ELECTRONICS			Masking, sprayed-on Mirrors, plastics	September August	98 107
	July	118	Mylar, electrical properties of (ab) Mylar, future for (pl)	June July	232 182
Casting resins, epoxy Circuits, printed	April	91	Mylar, properties of (ab)	June August	230 96
Electrons, emission of, from stripped films (ab)	April	167	Mylar uses for (pl)	May	210
Engravings, vinyl printing Hearing aid, transistors in Transistors	April Mny	114 98 98	Packaging films, survey of (ab)  Polyethylene bag liners, thin (ab)  Polyethylene-cellophane (pl)	October December August	159 144 230
		-	Polyethylene, measuring gas permeability of (ab)	September	136
EMBEDMENTS	M	100	Polymers, study of film forming (ab)	May April	149 164
Acrylic	November	129	Properties of plastics	June March	208 82
EMBOSSING			Refrigerators, styrene sheet in	March June	90 137
Automatie	December August	119 108	Saran, use of (ab)	August June	144 384
N.P.E. display Printing attachment for, Valley (ma) Engineering Progress in 1953	August	160	Sprayed-on masking	September September	98 128
	January	91	Styrene alloy, extruded Styrene sheet in refrigerators	October March	111
Engineering Progress in 1953			Table covers, progress in vinvi	June	157
Engineering Progress in 1953			vacuum forming for packaging (ab)		144
EPOXIES  Adhesives	November	102	Vacuum forming machine, Auto-Vac (ma)	July	138
EPOXIES  Adbesives Adbesives for glass Adbesives metal-to-metal	February December	107	Vacuum forming for packaging (ab) Vacuum forming machine, Auto-Vac (ma) Vacuum forming machine, inexpensive (ab) Vacuum forming machine, Vacuum Form-		138 230
EPOXIES  Adhesives Adhesives for glass Adhesives, metal-to-metal Air tank Curing of (ab)	February December December September	107 98 181	Vacuum forming machine, Vacuum Form- ing Corp. (ma)		138 230 141 87
EPOXIES  Adhesives Adhesives for glass	February December December September July	107	Vacuum forming machine, Auto-Vac (ma) Vacuum forming machine, inexpensive (ab) Vacuum forming machine, Vacuum Forming Corp. (ma) Vacuum forming, sheets for Vacuum forming styrene sheet (ab) Vinyl, formulations for blown		138 230

4

PINISHING	Month	Page	GLASS (Continued)	Month	Pag
Polyethylene, flame spraying of	February April	117 178	Developments in reinforcements, British (ab) Drafting medium	November March	15
FLOOR COVERINGS			Fabrics, finishes for (ab)	October December	15 12
Do-it-yourself market for vinyl	August	87	Glazing, light control reinforced plastics	February February	9
Mats, vinyl Terrazzo, extrusions in (ab)	September June	175 232	Helmet, reinforced plastics aircraft pilot's	February February	10 15
Vinyl tile, progress in	June	146	Laminates, silicone (ab)  Laminates, silicone (ab)  Motor hoods, reinforced plastics  Phenolic and fibrous (pl)	November February	15
FLUOROCARBONS—See also Kel-F, Teffon and			Phenolic and fibrous (pl) Phenolic molding compounds Resins, variety of, used with (pl)	October September	28 16
Fluorothene			MOVINE, WOVER	December February	22
Bonding of Teflon, fusion (ab)	February	152	Structural paneling, continuous production	November	5
Frictional properties of	February April	131 105	of reinforced plastics	February April	16
Physiological activity of	August March	136 73	Styrene, reinforced (ab)	April December	10
Pipe and hose	April	105	Tank truck, reinforced plastics "sandwich"	September	2
(ab) Reactions of, at elevated temperatures (ab)	October December	154 146	walls for Trays, reinforced plastics drying	February February	1
Teflon, effect of irradiation on	October November	152 156			
Wire insulation (ab)	December	144	GLAZING		
FLUOROTHENE			Acrylie CR-39 for (pl) Light control, reinforced plestics	November July	18
	March	129	Materials chart	November	8
Halides, evolution of (ab) Production of, commercial (pl)	June	384	Window gasket, molded silicone Window, flexible cellulose acetate butyrate	August April	17 20
FORMING—See Vacuum Forming			GLUES—See Adhesives		
ORMING—See Vacuum Forming					
FOAMED PLASTICS			н		
Gaskets, vinyl Insulation, styrene	July November	80 190	HANDLES		
Isocyanates, foamed-in-place (pl)	June August	384 108			
N.P.E. display Phenolic, in aircraft carrier Phenolic, preparation of (sh)	December July	103 124	Iron, phenolic household	September	21
Phenolic, preparation of (ab)  Plastisol, vinyl  Polyester-based, for aircraft (ab)	July	80	Pot and pan, phenolic	June	17
Polyethylene, by extrusion Polystyrene, molded	November March	156 99 103	HEATING EQUIPMENT		
Polyurethane	April	143	Chamber Hydraulic Press injection ma-		
Review of (ab) Sandwich cores, silicone foam	March May	124 138	chine heating (ma) Control unit, West (ma) Cylinder, Reed-Prentice heating (ma)	April December	17
Silicone (ab) Silicone, beat resistant Sponge, isocyanate (pl) Styrene, expandable (ab)	February May	152 133 230	Cylinder, Reed-Prentice heating (ma)	December April	16
Styrene, expandable (ab)	August August	144 142	Drum heater, Pre-Fab (ma) Drying tunnel, Wiegand (ma) Flame spraying gun for polyethylene	August February	15
Styrene, properties and applications of (ab) Techniques for (ab) Vinyl, gas-expanded	August August	142 136	Induction, for synthetic resin plant (ab)	September July	18
Vinyl sponges, properties and uses of (ab)	April March	124	Liquid (ab) Oven, Grieve-Hendry preheating (ma)	May June	14 24
			Temperature measurement instruments.	June	24
OUNDRY PRACTICE	0.11	***	Wheelco (ma)	June May	24 15
Shell molds, mechanized production of (ab)	October	156			
URANES			REAT SEALING		
Corrosion resistant uses of	September	83	Machine for, Amsco (ma)	August September	16 15
			Turntable for automatic operation, Thermatron (ma)	January	14
URNITURE					
Chair bases, molding swivel	December	116 90	HIGHLIGHTS OF THE PLASTICS PICTURE	January	6
Chair, reinforced plastics (pp)  Desk tops, decorative laminate	September	107 188	WOMENGOME		
Sprayed-on vinyl upholstery	October	93	HONEYCOMB	10-h	10
			Adhesives for	February February	10 10
G			HOSE		
AGES			Fluorocarbon	April	10
Protective cutout for, Greer (ma)	August	160	Sprinkler, four-channel (pp)	March June	23
Beta, Industrial Nucleonies (ma) Beta, Tracerlab (ma) Thick	July July	143 141	130, 300 10110100 (40)	vane	-
Thickness, electrical capacitance Thickness, Industrial Nucleonics (ma) Thickness, Industrial Nucleonics (ma)	May June	115 244	HOUSEHOLD-See also Housewares and Kitchen		
Thickness, Platers Research (ma)	June	143 246	Appliance covers, progress in vinyl Bathtubs, bag molded reinforced plastics	June	17
Thickness, Tracerlab (ma)	March July	154 141	Blender, styrene water-powered (pp)	February February	11
			Clothes closet accessories, vinyl Curtains, progress in	June June	17
AMES—See Toys and Games			Cutlery handles, phenolic-impregnated Dishware, polyethylene (pl) Do-it-yourself with plastics (editorial) Do-it-yourself with plastics	June October	15 28
LASS			Do-it-yourself with plastics (editorial) Do-it-yourself with plastics	August August	
Adhesives for	February	107	Drapes, progress in	June February	1
Air conditioner housings, reinforced plastics Alkyd-, molding compound (pl)	September	80 212	Floor the, progress in vinyl	September June	1
Alkyd-, molding compound	November November	98 99	Hair dryer, phenolic hood for Housewares, progress in plastics	May June	10
Automobile bodies, mass production of Automobile bodies, plant for (pl) Automobile bodies, polyester Bathtubs, bag molded reinforced plastics	August February	115 230	Ice bucket, fibrous glass insulated styrene	April	11
Automobile bodies, polyester	December February	83 84	Lemon squeezer, vinyl (pp)	September April	10
Building construction, use in (editorial)		0.0			

HOUSEHOLD (Continued)	Month	Page	KITCHEN-See also Household and Housewares	Month	P
Mirror clips, styrene (pp)	March August October	97 107 201	Brush, all-plastics detergent scouring Canister set, polyethylene (pp) Coffee can cover and measure, polyethylene	October	
Moisture conditioner, plastics parts in portable	October	114	Condiment dispenser, polyethylene (pp)	July December	
able Painter's guide, cellulose acetate butyrate Pan handles phenolic	March June	178 175	Food blender, styrene water powered (pp)	February October	
Pan handles, phenolic	October May	156 184	Food mixer, melamine housing for (pp)  Ice chipper tray, polyethylene (pp)  Pan handles, phenolic	May June	
	June October	137 122	Salt and pepper set, urea	April June	
Serving tray, swivel styrene (pp) Shelf guard, cellulose acetate butyrate	April July	209	Work surfaces, postformed laminate	November	
Shower head, phenolic (pp)	June	88 157			
Timer, urea (pp) Toilet seats, progress in	September June	107 168			
Toilet seat unholstered vinvl	Sentember	172 226	L .		
Vinyl wall covering (pl)  Wall covering, vinyl  Wall tile atvreme	June June	164 181	LAMINATES and LAMINATING-See also Rein-		
Wall tile, styrene	June	179	forced Plastics		
CONTRACTOR A TABLE			Building construction, use in (editorial) Color uniformity in (ab)	June	
OUSEWARES		000	Desk tops, decorative	February August	
Brushes (pl) Kitchen utensil tray (pp)	September September	210 106	Fabricating, effect of variables on prop-	April	
Plastics in (pl) Polyethylene in (ab)	September January	210 134	Fabricating postformed High temperature phenolic-glass (ab) Mechanical properties of (ab)	April November February	
Upgrading of (Editorial)	September	5	Mechanical properties of (ab)	September December	
OTIGINGS			Phenolic, in bobbin Photo copiers, parts for Polyethylene-cellophane (pl)	April	
OUSINGS	0.4.1	***	Polyethylene-cellophane (pl)  Postformed phenolic  Postformed thermosetting	August November	
Adding machine, styrene Air conditioner, reinforced plastics	October February	106 80	Postformed thermosetting Press, Clifton (ma)	November June	
Business machine, phenolic	August	110 122	Press, Clifton (ma) Printed circuits, production of Radiation effect on	April	
Food mixer, melamine (pp) Motor boods, protective reinforced plastics Phonograph, atvene	February October	96 104	Roller guide, phenolic Silicone-glass, developments in	April July November	
Phonograph, styrene Refrigerator light, urea Vinyl-steel laminate	October May	206 107	Sincone-glass, developments in Synthane, anniversary of (pl) Transparent, for aircraft	June October	
Vinyi-steel laminate	мау	101		October	
I			LIGHTING Diffuser, extruded acrylic	November	
NDUSTRIAL APPLICATIONS			Diffuser, styrene Diffuser, vinyl (pp)	June April	
Aircraft, transparent plastics for	October August	107 181	Lampshades, sprayed-on acetate Luminous ceilings, acrylic	October November	
Aprons, protective reinforced plastics Corrosion resistant plastics (ab)	December	142	Plastics in, fixtures	June July	
Crocks, chemical resistant reinforced plas- tics (pp)  Polyester-glass molding compounds	Pecember	110	availabled Principle Part for Overinged		
Steel forming dies, reinforced plastics Vinyl floor tile	April September June	121 109 146	LOW PRESSURE PLASTICS—See Reinforced Plastics		
NJECTION MOLDING			M		
Automatic Clamping forces in (ab)	May March	125 124	MACHINERY and EQUIPMENT		
Canting, restricted	October	125			
Heating chamber, Hydraulic Press (ma)	April		Rand type finishing DoAll (ma)	July	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab)	April December	176 142	Band type finishing, DoAll (ma)	July	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in	April December July March	176 142 140 105	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma)	June February	
Heating chamber, Hydraulic Press (ma)	April December July March March	176 142 140 105 105 119	Calender, Adamson United inclined "Z" (ma)  Calender, Adamson United Z-type (ma)  Calender, Six-roll Adamson United (ma)  Calendering, temperature correction in (ab)	June February July March	
Heating chamber, Hydraulic Press (ma)	April December July March March	176 142 140 105 105 119 176	Calender, Adamson United inclined "Z" (ma)  Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma)	June February July March February	
Heating chamber, Hydraulic Press (ma)	April December July March March	176 142 140 105 105 119 176 158 178	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Nord Intranational (ma)	June February July March February June May	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Improved Machinery 2 oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma)	April December July March March November April May April January July	176 142 140 105 105 119 176 158 178 142 136	Calender, Adamson United inclined "Z" (ma)  Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Nord Intranational (ma) Clamping forces in injection malding (ab) Compression presses, Stokes (ma)	June February July March February June May March August	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Improved Machinery 2 oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Pruntice 20. and 24-oz. (ma) Machine, Reed-Pruntice 20. and 24-oz. (ma)	April December July March March November April May April January July November March	176 142 140 105 105 119 176 158 178 142 136 166 152	Calender, Adamson United inclined "Z" (ma)  Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Nord Intyrnational (ma) Clamping forces in injection modeling (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma)	June February July March February June May March August June October	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Improved Machinery 2 oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Stokes 4-oz. automatic (ma)	April December July March March November April May January July November March May June	176 142 140 105 105 119 176 158 178 142 136 152 164 242	Calender, Adamson United inclined "Z" (ma)  Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Nord Intranational (ma) Clamping forces in injection moding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice replacement (ma)	June February July March February June May March August June October December October	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Improved Machinery 2 oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Mold problems, solving Nylon British (ab)	April December July March March March November April May April January July November March May June June	176 142 140 105 105 119 176 158 178 142 136 166 152	Calender, Adamson United inclined "Z" (ma) Calender, Six-roll Adamson United (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamping, Nord International (ma) Clamping forces in injection modeling (ab) Compression presses, Stokes (ma) Controls. M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder maker, Taber (ma)	June February July March February June May March August June October December	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Improved Machinery 2 oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 476 oz. (ma) Machine, Reed-Prentice 476 oz. (ma) Machine, Reed-Prentice 417 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Mold problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl	April December July March March March November April May April January July November March May June June	176 142 140 105 119 176 158 178 142 136 166 152 164 242 189 156	Calender, Adamson United inclined "Z" (ma)  Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamping forces in injection modeling (ab) Compression presses, Stokes (ma) Controls. M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder maker, Taber (ma) Cylinders, Hydraulic Press (ma) Develoments in 1953	June February July March February June May March August June October December October November March January	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machines, DeMattia 8 and 12-oz. (ma) Machine, Improved Machinery 2 oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 1-oz. (ma) Machine, Moslo 1-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 476 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Modl problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab)	April December July March March March November April January July November May June June June Vovember November November November November October October	176 142 140 105 119 176 158 178 142 136 166 152 164 242 189 156 119	Calender, Adamson United inclined "Z" (ma) Calender, Six-roll Adamson United (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamping, Toress in injection molding (ab) Compression presses, Stokes (ma) Controls. M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder, Reed-Prentice replacement (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design extrusion	June February July March February June May March August June October December October November March January November June	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Improved Machinery 2 oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Machine, Stokes 4-oz. automatic (ma) Modl problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold	April December July March March March November April January July November March May June June November November December November October October	176 142 140 105 105 119 176 158 178 142 136 166 152 189 164 242 189 166 119 119 113	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Nord International (ma) Clamping forces in Injection molding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder, Reed-Prentice replacement (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma)	June February July March February June May March August June October December October November March January November January November September	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Modl problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature variations in (ab) Thermal degradation of materials (ab)	April December July March March March November April January July November March May June June November November October February August	176 142 140 105 105 119 176 158 142 142 142 189 156 119 113 119 114 131 154 147	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Nord International (ma) Clamping forces in injection melding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder Reed-Prentice replacement (ma) Cylinder maker, Taber (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison	June February July March February June May March August June October December October November March January November January November August Jene	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machines, DeMattia 8 and 12-02. (ma) Machine, Improved Machinery 2 oz. (ms) Machine, Moslo 2-0z. (ms) Machine, Moslo 1-0z. (ms) Machine, Moslo 1-0z. (ms) Machine, Moslo 1-0z. (ms) Machine, Reed-Prentice 20- and 24-0z. (ms) Machine, Reed-Prentice 20- (ms) Machine, Reed-Prentice 12/16 oz. (ms) Machine, Reed-Prentice 12/16 oz. (ms) Machine, Stokes 4-0z. automatic (ms) Mold problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature variations in (ab)	April December July March March March November April May January July November March May June June June Tovember November November November November November November Foctober October Cebruary	176 142 140 105 105 105 119 176 158 178 148 166 152 166 119 118 119 154 131	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Morel International (ma) Clamping forces in injection melding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder maker, Taber (ma) Cylinder maker, Taber (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Empossing press, automatic Denison Engraver, New Hermes (ma) Engraver, New Hermes (ma)	June February July March February June May March May March August June October December October November March January November January November August June September August December August December August December April	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Machine, Stokes 4-oz. automatic (ma) Mold problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature variations in (ab) Thermal degradation of materials (ab) Vinyl, rigid	April December July March March March November April January July November March May June June November November October February August	176 142 140 105 105 119 176 158 142 142 142 189 156 119 113 119 114 131 154 147	Calender, Adamson United inclined "Z" (ma)  Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamping forces in injection moding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder maker, Taber (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraver, work table, Preis (ma)	June February July March February June May March August June October October October November March January November June September August December August June August August August April May August	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Stokes 4-oz. automatic (ma) Modid problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature variations in (ab) Thermal degradation of materials (ab) Vinyl, rigid	April December July March March March November April January July November March May June June June Vovember November November November November November November November June June June June June June June June	176 142 140 105 105 119 176 158 178 142 136 166 166 113 118 118 114 147 113	Calender, Adamson United inclined "Z" (ma)  Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamping forces in injection moding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder maker, Taber (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraver, work table, Preis (ma)	June February July March February June May March August June October October October November March January November June September August December August August December April May August August August October	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, Desmattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/2 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Machine, Stokes 4-oz. automatic (ma) Modl problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature variations in (ab) Vinyl, rigid  ON EXCHANGE  Resins, uses for (pl)	April December July March March March November April January July November March May June June June Vovember November November November November November November November June June June June June June June June	176 142 140 105 105 119 176 158 142 142 142 189 156 119 113 119 114 131 154 147	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Morel International (ma) Clamping forces in injection melding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder anaker, Taber (ma) Cylinder maker, Taber (ma) Dylinder saker, Taber (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Empsaver, New Hermes (ma) Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraver preis three-dimensional (ma) Extruder, Projectile & Engineering (ma) Extruder, Projectile & Engineering (ma) Extruders, review of (ab) Extruders, review of (ab)	June February July March February June May March August June October October October November March January November June September August December August December August December August December April May August August October December July	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Modl problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature control, mold Temperature variations in (ab) Vinyl, rigid  ON EXCHANGE Resins, uses for (pl)	April December July March March March March May April January July November March May June June November November October Cotober Cotober Cotober Cotober February Logust December	176 142 140 140 140 140 140 140 140 140 140 140	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Morel International (ma) Clamping forces in injection melding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder anaker, Taber (ma) Cylinder maker, Taber (ma) Dylinder saker, Taber (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Empsaver, New Hermes (ma) Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraver preis three-dimensional (ma) Extruder, Projectile & Engineering (ma) Extruder, Projectile & Engineering (ma) Extruders, review of (ab) Extruders, review of (ab)	June February July March February June May March August June October December October November March January November June September August December August December August December June May August October December July November July November July November July May Magust October December July Movember July Movember June March	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, Debuttia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 10/16 oz. (	April December July March March March March May April January July November March May June June November November October Cotober Cotober Cotober February August December	176 142 140 140 140 140 140 140 158 178 142 136 166 162 164 113 114 147 113	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamping forces in injection moding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder maker, Taber (ma) Cylinder maker, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraver, Preis three-dimensional Engraving work table, Preis (ma) Extruder, Barzantni (ma) Extruder, reinforced plastics Glastruder Extruder, review of (ab) Extrusion-laminator, Egan (ma) Extruder, review of (ab) Extrusion-laminator, Egan (ma) Extrusion-laminator, Egan (ma) Extrusion trends in (ab) Gage, tubing thickness, Tracerlab (ma) Granulator, Cumberland (ma)	June February July March February June May March August June October October October November June March January November June September August December August December August December June June March November June March November June March November June March November	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4½ oz. (ma) Machine, Reed-Prentice 1½ fo oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Mold problems, solving Nylon, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature variations in (ab) Temperature variations in (ab) Thermal degradation of materials (ab) Vinyl, rigid  ON EXCHANGE Resins, uses for (pl)  ERADIATION Cellulose, degradation of (ab) Electrical insulators, effect on Polyethylene, effect on	April December July March March March March May April January July November May June June June Vovember November November November November November November February August December	176 142 140 140 140 140 140 140 158 178 142 136 166 162 164 169 113 114 147 113 228	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamping forces in injection moding (ab) Compression presses, Stokes (ma) Coutrols, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder maker, Taber (ma) Cylinder maker, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraving work table, Preis (ma) Extruder, Barzantni (ma) Extruder, reinforced plastics Glastruder Extruders, review of (ab) Extrusion-laminator, Egan (ma) Extruder, render (ma) Grinder, Detroit Mold Engineering (ma) Grinder, Cumberland (ma) Grinder, Lee Engineering (ma)	June February July March February June May March August June October October October November March January November June September August December August December June March May August October July November June March November June April	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Machine, Bredsey of the Machine Stokes 10- automatic (ma) Machine, Bredsey of the Machine Stokes 10- automatic (ma) Machine, Stokes 4-oz. automatic (ma) Machine, Bredsey of Injection Systeme, annealing of (ab) Temperature control, mold Temperature variations in (ab) Temperature variations in (ab) Temperature variations in (ab) Thermal degradation of materials (ab) Vinyl, rigid  ON EXCHANGE Resins, uses for (pl)  RADIATION Cellulose, degradation of (ab) Electrical insulators, effect on Polyethylene, effect on (ab) Polymers, effect on long-chain (ab)	April December July March March March March March May April January July November May June June June Vovember November November November November November November November February August December	176 142 140 140 140 140 140 140 176 178 142 136 166 152 164 152 166 119 166 119 113 114 147 113 1228	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamping forces in injection moding (ab) Compression presses, Stokes (ma) Coutrols, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder maker, Taber (ma) Cylinder maker, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison Engraver, New Hermes (ma) Engraver, New Hermes (ma) Engraving work table, Preis (ma) Extruder, Barzantni (ma) Extruder, Projectile & Engineering (ma) Extruder, reinforced plastics Glastruder Extruders, review of (ab) Extrusion-laminator, Egan (ma) Extruder, trends (ma) Grinder, Cumberland (ma) Grinder, Cumberland (ma) Grinder, Cumberland (ma) Grinder, Royal Master (ma) Grinder, Royal Master (ma) Grinding wheel, Merit Products flexible	June February July March February June May March August June October October October November June March January November June September August December August December August December June June March November June April November June April November	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Machine, Stokes 4-oz. automatic (ma) Machine, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature variations in (ab) Temperature variations in (ab) Thermal degradation of materials (ab) Vinyl, rigid  ON EXCHANGE Resins, uses for (pl)  RADIATION  Cellulose, degradation of (ab) Electrical insulators, effect on Polyethylene, effect on Polyethylene, effect on nong-chain (ab) Scintillators Styrene crosslinked by (ab)	April December July March March March March May April January June June June June June Vovember November November November November November February August December August April August August April August August April August August April August Augus	176 142 140 140 140 140 140 140 140 176 178 142 136 166 162 166 119 166 119 164 141 141 141 141 141 145 148 148 148 148 148 148 149 94 150	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp Bushing, Detroit Stamping (ma) Clamp, Morray pipe (ma) Clamp, Moral International (ma) Clamping forces in injection melding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder, Reed-Prentice replacement (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drying tunnel, Wiegand (ma) Empsaver, New Hermes (ma) Engraver, New Hermes (ma) Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Extruder, Barzantni (ma) Extruder, Projectile & Engineering (ma) Extruders, review of (ab) Extrusion, trends in (ab) Gage, tubing thickness, Tracerlab (ma) Grinder, Lee Engineering (ma) Grinder, Meval Master (ma)	June February July March February June May March August June October October October November March June June September August June June September August June June May August October June May August October June May August October June June June June June	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, Demattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 1-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/2 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 10/16 oz. (	April December July March March March March May April January July November March May June June November November October February August April April April April April April April April August October March May October March	176 142 149 140 140 140 140 140 140 140 140 140 140	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamping forces in injection molding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder maker, Taber (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraver, Preis three-dimensional Engraving work table, Preis (ma) Extruder, Barzantni (ma) Extruder, reinforced plastics Glastruder Extruder, review of (ab) Extrusion-laminator, Egan (ma) Extruder, review of (ab) Extrusion-laminator, Egan (ma) Grinder, Lee Engineering (ma) Grinder, Detroit Mold Engineering (ma) Grinder, Cumberland (ma) Grinder, Royal Master (ma) Grinder, Royal Master (ma) Grinder, Royal Master (ma) Grinding wheel, Merit Products flexible (ma) Heat sealing press, Thermatron (ma)	June February July March February June May March August June October October October November March January November January November August December August December August December June November June May August October November June May August October June March November June April November	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, DeMattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Stokes 4-oz. automatic (ma) Machine, Stokes 4-oz. automatic (ma) Machine, British (ab) Plastic flow in Rigid vinyl Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature variations in (ab) Temperature variations in (ab) Thermal degradation of materials (ab) Vinyl, rigid  ON EXCHANGE Resins, uses for (pl)  RADIATION  Cellulose, degradation of (ab) Electrical insulators, effect on Polyethylene, effect on Polyethylene, effect on nong-chain (ab) Scintillators Styrene crosslinked by (ab)	April December July March March March March May April January June June June June June Vovember November November November November November February August December August April August August April August August April August August April August Augus	176 142 140 140 140 140 140 140 140 176 178 142 136 166 162 166 119 166 119 164 141 141 141 141 141 145 148 148 148 148 148 148 149 94 150	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamping forces in injection molding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice replacement (ma) Cylinder maker, Taber (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraver, Preis three-dimensional Engraving work table, Preis (ma) Extruder, Barzantni (ma) Extruder, reinforced plastics Glastruder Extruder, review of (ab) Extrusion-laminator, Egan (ma) Extruder, review of (ab) Extrusion-laminator, Egan (ma) Grinder, Lee Engineering (ma) Grinder, Detroit Mold Engineering (ma) Grinder, Cumberland (ma) Grinder, Royal Master (ma) Grinder, Royal Master (ma) Grinder, Royal Master (ma) Grinding wheel, Merit Products flexible (ma) Heat sealing press, Thermatron (ma)	June February July March February June May March August June October October October October November March Junuary November Junuary November August December August December August December June November June May August October June April November June April May April May April May April May April May	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machine, Demattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Reed-Prentice 13/16 os. (ma) Machine, Reed-Prentice 13/16 os. (ma) Machine, Reed-Prentice 10/16 os. (	April December July March March March March May April January July November March May June June November November October February August April April April April April April April April August October March May October March	176 142 149 140 140 140 140 140 140 140 140 140 140	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp Bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Morol Intyrnational (ma) Clamp Murray pipe (ma) Clamp, Morol Intyrnational (ma) Clamping forces in injection melding (ab) Compression presses, Stokes (ma) Coutrols, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice replacement (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen Diril, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Empaaver, New Hermes (ma) Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraving work table, Preis (ma) Extruder, Barzantin (ma) Extruder, Projectile & Engineering (ma) Extruders, review of (ab) Extrusion, trends in (ab) Gage, tubing thickness, Tracerlab (ma) Grinder, Detroit Mold Engineering (ma) Grinder, Cumberland (ma) Grinder, Cumberland (ma) Grinder, Cumberland (ma) Grinder, Cherolina (ma) Grinder, Cumberland (ma) Grinder, Lee Engineering (ma) Grinder, Lee Engineering (ma) Grinder, Poylectile (ma) Heat sealing press, Thermatron (ma) Heater, Wiegand web (ma) Heating chamber, Hydraulic Press (ma) Idler. Conted Products Div, backstand (ma) Idler. Conted Products Div, backstand (ma)	June February July March February June May March August June October October October October November March January November June September August June August June June June June June June June June	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, Demattia 8 and 12-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 5-oz. (ma) Machine, Reed-Prentice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/2 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 10/16 oz. (	April December July March March March March May April January July November March May June June November November October February August April April April April April April April April August October March May October March	176 142 149 140 140 140 140 140 140 140 140 140 140	Calender, Adamson United Inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Morol Intyrnational (ma) Clamp, Morol Intyrnational (ma) Clamping forces in injection melding (ab) Compression presses, Stokes (ma) Coutrols, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder maker, Taber (ma) Cylinder maker, Taber (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drying tunnel, Wiegand (ma) Empayer, New Hermes (ma) Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraver, Preis three-dimensional (ma) Extruder, Barzantin (ma) Extruder, Projectile & Engineering (ma) Extruder, Projectile & Engineering (ma) Extrusion, trends in (ab) Gage, tubing thickness, Tracerlab (ma) Granulator, Cumberland (ma) Grinder, Detroit Mold Engineering (ma) Grinder, Cheroit Mold Engineering (ma) Grinder, Lee Engineering (ma) Grinder, Lee Engineering (ma) Grinder, Lee Engineering (ma) Heating of, liquid (ab) Heating chamber, Hydraulic Press (ma) Heating chamber, Hydraulic Press (ma) Idler, Conted Products Div, backstand (ma) Indexer, Thermatron automatic (ma)	June February July March February June May March August June October October October October November June March January November June April May August August October Leember April May November June March November June March June March June March June March June March June April November June April May July	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ os. (ma) Machine, Automolder 1½ os. (ma) Machine, Leed-Prentice 12-os. (ma) Machine, Moslo 2-os. (ma) Machine, Moslo 2-os. (ma) Machine, Reed-Prentice 20- and 24-os. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 4/5 oz. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Reed-Prentice 12/16 os. (ma) Machine, Stokes 4-os. automatic (ma) Mold problems, solving Nylon, British (ab) Plastic flow in Rigid vinyi Speed, importance of injection Styrene, annealing of (ab) Temperature control, mold Temperature variations in (ab) Thermal degradation of materials (ab) Vinyl, rigid  ON EXCHANGE Resins, uses for (pl)  RRADIATION  Cellulose, degradation of (ab) Electrical insulators, effect on Polyethylene, effects on (ab) Polymers, effect on long-chain (ab) Scintillators Styrene crosslinked by (ab) Teffon, effect on Vinyl protective suit	April December July March March March November April January July November March May June June November October October February August April April April April April April April April April August Cotober March May October December	176 142 149 140 140 140 140 140 140 140 140 140 140	Calender, Adamson United Inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Murray pipe (ma) Clamp, Morol Intyrnational (ma) Clamping forces in injection melding (ab) Compression presses, Stokes (ma) Coutrols, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder Reed-Prentice replacement (ma) Cylinders, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drying tunnel, Wiegand (ma) Empayer, New Hermes (ma) Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraving work table, Preis (ma) Extruder, Barzantin (ma) Extruder, Projectile & Engineering (ma) Extruders, review of (ab) Extrusion, trends in (ab) Gage, tubing thickness, Tracerlab (ma) Grinder, Detroit Mold Engineering (ma) Grinder, Lee Engineering (ma) Grinder, Lee Engineering (ma) Grinder, Lee Engineering (ma) Grinder, Detroit Mold Engineering (ma) Grinder, Lee Engineering (ma) Grinder, Lee Engineering (ma) Heat sealing press, Thermatron (ma) Heating chamber, Hydraulic Press (ma) Heating chamber, Hydraulic Press (ma) Indexer, Thermatron automatic (ma) Injection machine heating chambers, design	June February July March February June May March February June May March August June October December November June September August June September August June June May August June June June June June June April November July June June April June June August December July June June April June April June April June June April June June April June June June June June June June June	
Heating chamber, Hydraulic Press (ma) Heating chambers, design of (ab) Hopper, Reed-Prentice weigh-feed (ma) Improvements in Jet loading Large area pieces Machine, Automolder 1½ oz. (ma) Machine, Lord Lord Lord (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Moslo 2-oz. (ma) Machine, Reed-Pruntice 20- and 24-oz. (ma) Machine, Reed-Prentice 4/6 oz. (ma) Machine, Reed-Prentice 12/16 oz. (ma) Machine, Reed-Prentice 10/16 oz. (ma) M	April December July March March March November April January July November March May April January July June June June June June June June June	176 142 149 140 140 140 140 140 140 140 140 140 140	Calender, Adamson United inclined "Z" (ma) Calender, Adamson United Z-type (ma) Calender, Six-roll Adamson United (ma) Calendering, temperature correction in (ab) Clamp bushing, Detroit Stamping (ma) Clamp, Moral Intranational (ma) Clamp, Moral Intranational (ma) Clamping forces in injection malding (ab) Compression presses, Stokes (ma) Controls, M & N hydraulic (ma) Cuber, Hale & Kullgren (ma) Cylinder, Reed-Prentice heating (ma) Cylinder, Reed-Prentice heating (ma) Cylinder maker, Taber (ma) Cylinder maker, Hydraulic Press (ma) Developments in 1953 Dicer, Cumberland (ma) Die base design, extrusion Diemaker, Craftsmen (ma) Drill, Hayden carbide-tipped (ma) Drying tunnel, Wiegand (ma) Embossing press, automatic Denison Engraver, New Hermes (ma) Engraver, Preis three-dimensional (ma) Engraving work table, Preis (ma) Extruder, Barzantni (ma) Extruder, Projectile & Engineering (ma) Extruder, reinforced plastics Glastruder Extruder, review of (ab) Extrusion-laminator, Egan (ma) Extruder, trends (ma) Grinder, Lee Engineering (ma) Grinder, Cumberland (ma) Grinder, Royal Master (ma) Heating of, liquid (ab) Hopper, Reed-Prentice weigh-feed (ma) Injection machine heating chambers, design	June February July March February June May March August June October October October October November June March January November June September August December August December June March May August October July November June March June June June June June June June June	

MACHINERY and EQUIPMENT (Continued)	Month	Page	MATERIALS (Continued)	Month	Page
Injection machine, Moslo 2-oz. (ma) Injection machine, Moslo 2-oz. (ma) Injection machine, Reed-Prentice 4/6-oz.	January July	142 136	Molding compound, century-old sawdust and albumen (ab) Phenolic-glass molding compound	November September	156 169
(ma) Injection machine, Reed-Prentice 12/16-oz.	March	152	Phenolic, new general-purpose	July December	136
(ma) Injection machine, Reed-Prentice 20- and 24-	May	164	Phenolics, modified	February March	140
oz. (ma) Injection machine, Stokes 4-oz. automatic	November	166	Polyacrylates, liquid (ab) Polyesters, fast curing (pl) Polyesters, progress in (pl) Polyesters, unsaturated (ab)	May September	140 210
(ma)	June	242	Polyesters, progress in (pl)	July February	216 184 163
Injection machines, De Mattia 8- and 12-oz.	May	158	Polyethylene, chiorosultonated (ab)	January	134
vertical	March	105	Polyethylene, oxidative aging of	September May	146
Injection molding, automatic	May February	125 152	Polyvinyl chloride, compounding and proc-	April	
Lubrication of (ab)  Marker, Preis electrical (ma)  Metal surveys Engretar (ma)	October March	168 154	essing rigid (ab) Principles of the Plastics Industry (Edito-	September	136
Metal sprayers, Forrester (ma)  Metallizing, High Vacuum (ma)  Mill Bose 2-will (ma)	March April	154 178	rial) Prostheses, nylon-coated leather (ab)	April November	15
Mill, Ross 3-roll (ma) Milling machine, Keller automatic (ma) Mixer, Stewart Bolling (ma)	November	169	Pyrrolidone (ab) Raw, problems of (ab)	July	12' 14' 12' 12'
N.P.E. display	July August	143 108		August December	12
N.P.E. display boiling (ma) N.P.E. display boiling (ma) Painting, Conforming Matrix (ma) Pelletizer, Stokes (ma) Polariscope, Fuess (ma) Power unit. Hydrau-Power-Pak (ma)	September October	148 168	Research on Resols, modification of Rubber and plastics (pl)	August December	
Power unit, Hydrau-Power-Pak (ma)	November September	169 150	Rubber and plastics (pl)	July	196 76 236
Preplasticizer, Windsor's single stage (ma)	September February	146	Sales of, British (ab)	June January	230
Press, Sheridan compression (ma) Press, Standard Machinery 150-ton (ma)	April	172 183	Sales of, 1951-1953 Sales of, British (ab) Sales of plastics Sandwich (ab) Silicone foams, heat resistant	June	230 133
Presses, Adamson United reinforced plastics	July	138	Standards for	May August May	127
Presses. M & N (ma)	September August	150 158	Standards for Steel-vinyl laminate Styrene, glass-filled Styrene, high impact (ab) Transparent plastics, new Urea resins for paper products (ab)	May April	100
Presses, Stokes (ma) Printing machine, Markem (ma) Printing press, Lembo flexographic (ma)	August December	158 168	Styrene, high impact (ab)	December October	142
Processing, Applied Engineering (ma)	July	141	Urea resins for paper products (ab)	September	136
Reinforced plastics press, American Steel	July	142	Vinyl-metal sheet (ab)	December	142
Reinforced plastics press, Erie Engine hydraulic (ma)	July	143	Vinyl-steel laminate	May March	107 94
Roving cutter, Turner (ma)	March December	152 168			
Sander, Gordo (ma)	October	168 176	MATERIALS DEVELOPMENTS, 1953	January	87
Saw, Hendrick panel (ma) Sealer, Amsco (ma)	April August	160			
Spray mask washing machine, Sepanski (ma)	August	160	MEDICAL APPLICATIONS		
Stamping press, roll leaf, Olsenmark (ma) Static neutralizer, Herbert (ma)	October December	170 168	Catheter gage	December	92
Static voltmeter, Baldwin (ma)	July March	141 152	Corneal ienses, acrylic (ab)	October March	156 93
Tapping attachment, Ettco (ma)	August	160 170	Manikin, bleeding Polyethylene, molded (ab) Snake bite kit, cellulose acetate butyrate	September	136
Stamping press, roll leaf, Olsenmark (ma) Static neutralizer, Herbert (ma) Static voltmeter, Baldwin (ma) Table, Hamilton elevator (ma) Tapping attachment, Etteo (ma) Temperaure control, Aero (ma) Temperature control, West (ma) Testing, Baldwin-Lima-Hamilton universal	October December	166	(pp)	November	117
	February	172	APPL AMINE		
Testing, Dillon Universal (ma)	May July	158 143	MELAMINE		100
Thickness gage, Industrial Nucleonics (ma) Thickness measuring device, East Lanca-	July	143	Adhesives	November June	102 166
shire (ma) Turntable, Thermatron electronic sealing	September	148	Food mixer, housing for (pp)	October May	123 142
	January	144	Insulators, miniature stand-off	April July	210 186
Vacuum coating, Consolidated (ma) Vacuum forming, Auto-Vac (ma) Vacuum forming, Hydro-Chemie (ma)	January July	142 138	Polyester-modified (pl)	July	156
Vacuum forming, Hydro-Chemie (ma) Vacuum forming, inexpensive British (ab)	December June	166 230	Trends in	January	69
Vacuum forming machine, Vacuum Forming	July	141	MERCHANDISING		
Corp. (ma) Vacuum forming machine, Vacuum Forming			Reushes largest distributor of	June	122
Corp. (ma)  Vacuum metallizing unit, Stokes (ma)  Valve, Mechanical Air Controls solenoid	February December	174 168	Color, effects on Do-it-yoursell market Materials sales, British (ab)	July August	70, 78
(ma)	October	171	Materials sales, British (ab)	June	230
	July November	141 169	Packages for more products	June June	161 129
Weigh feeder, Glengarry (ma)  Weighing machine, Exact Weight (ma)  Wet blasting equipment, Cro-Plate (ma)	February April	174 178	Progress in Publicity for plastics (Editorial) Upgrading of plastics (Editorial)	July September	5 5
Winding machine, Dilts (ma) Winding machine, Dilts (ma)	September	148	Upgrading of plastics (Editorial) Soup display, reinforced plastics Standards and (Editorial)	September November	102
winding machine, Ditts (ma)	February	174	TV cabinets, phenolic	June June	124 181
MACHINES FOR THERMOPLASTICS	January	115	Wall the, stylene	· uno	
MARRIAGE Co L			METALLIZING		
MATERIALS—See also specific materials			Silvering, spray solution for (ab) Sprayer, Forrester (ma)	May March	146 154
Alkyd reinforced plastics	October October	198 139	Tank liner (pl)  Toys, progress in	September June	214 148
Allyl resins, survey of	August August	226 142	Vacuum (ah)	February	152
Cation exchange (ab)			Vacuum metallizing unit, Stokes (ma) Vacuum, sheet	December December	168 122
(ab) Conductive plastics (ab) Corrosion resistant (ab)	December October	142 154	Vacuum unit, High Vacuum (ma)	March	154
Corrosion resistant (ab) Ebonite, progress of (ab)	December July	142 124	MILITARY		
Elastomers, hydrogenated synthetic (ab) Epoxidation-hydroxylation reactions	September March	136 123		D	100
Enovide modified phenolics	December	136	Aircraft carrier, phenolic foam in	December	103
Epoxies, curing of (ab)	September July	136 124	MODELS		
Extrusion, progress in (ab)	October September	232 136	Automotive, acetate	October	189
Fillers for reinforced plastics Films, properties of plastics	December June	125 203	Cowboy and horse, cellulose acetate (pp)	April February	118 187
Forming dies, reinforced plastics	September	109	Scale, styrene construction kit for	Pentuary	101
Growth of plastics (ab)	April November	162 141	MOLDING-See also Injection Molding		
High polymers, new (ab) High temperature, properties of (ab) Insulating, heat resistant electrical (pl) Laminates, developments in silicone-glass	December August	142 142	Alkyd-glass compound	November	98
Insulating, heat resistant electrical (pl)	September	214	Aqua-glas preforming	November December	99 116
Laminates developments in silicons class	Manage	156	Extrusion, progress in (ab)	September	136
Laminates, developments in silicone-glass (ab)	November		Cating pastwiated		
Laminates, developments in silicone-glass (ab)  Macromolecules, nomenclature of (ab) Melt flow, measurement of Methylstyrene, plant for (pl)	March October	132 146 230	Gating, restricted Injection, automatic Mold temperature control	October	125 125 131

MOLDING (Continued)	Month	Page	OFFICE EQUIPMENT (Continued)	Month	Page
Level, precision	March	88	Desk accessory, styrene (pp)	September August	107 96
Moldings, review of large (ab)	May June	146 189	Dictating machine, plastics in	August	110
Packages (ab)	May	149 121	Partitions, acrylic desk	October	204 116
Polyester-glass compounds	April April	164	Telephone timer, acrylic (pp)	December	110
Precision, of catheter gage	December November	92 99			
Preforms, slurry Reinforced plastics lighting fixtures	July	104	OPTICAL		
Release agent C. D. (pl)	October August	234 158	Lenses, acrylic corneal (ab)	October	156
Restricted Gating Rigid vinyl, injection	October	125	Temple, adjustable eyeglass	February	183
Rigid vinyl, injection	December November	113 99			
Styrene, annealing (ab)	October	154	P		
Styrene, relieving stresses in (ab) Vinyl drain rail, elastomeric	September February	136 110	PACKAGING		
Vinyl plasticizers	November	93			100
Vinyl plasticizers	December	. 98	Bag liners, thin polyethylene film (ab) Bags, tapered polyethylene	December July	144 160
MOLDING COMPOUNDS			Rottle insert, dripless polyethylene (pp)	May June	113 161
Alkyd-glass (pl)	September	212	Bottles and vials, plastics Box, collapsible PVC (ab)	August	144
Century-oid, sawdust and albumen (ab)	November	156	Carboys, polyethylene (ab)	May March	149 168
Glass-alkyd (pl)	September September	212 169	Case, chemical kit	June	140
Nylon, British (ab)	November	156	Collapsible vinyl tubes (ab)	February May	154 187
Phenolics, high impact (pl)	July September	86 212	Containers, polyethylene shipping (ab)	February	154
Plasticizers for vinyl	November	93 98	Cosmetic jars, double walled polyethylene	April	119
Plasticizers for vinyl	December April	121	Films for, survey of (ab)	October	159
Polyurethane	April	143 150	Fruit, polyethylene for (ab)	June July	232 128
Polyvinyl chloride, stabilization of Vinyl, symposium on (ab)	July	124	Colf halls	September March	97 130
			Lemons, film-wrapped (ab)	October	156
MOLDS			Leakage, testing for (ab) Lemons, film-wrapped (ab) Liners, film (ab) Molded plastic packages (ab)	February May	154 149
Design of, for automatic injection molding.	May	125	rickies, polyethylene for (ab)	October	156
Die base design, extrusion Ejector pins, Detroit Mold Engineering	June	198	"Pitcher" package	December June	176 382
Flexible, how to make	May	163	Plastics in food (ab)	September	136
Large, design of	July June	93 189	Plastics, progress in	June November	161 158
Matched metal, for reinforced plastics Matched metal, for reinforced plastics Mold bases, Detroit Mold Engineering (ma)	July	104	Razor blade packages, styrene	June	176
Mold bases, Detroit Mold Engineering (ma)	August November	115 166	Reinforced plastics sheet, carton for Show, plastics at (pl)	February June	90 382
Phenolic, cast, for girdles	March	84 82	Show, plastics at (pl)	June May September	146 164
Vacuum forming	July May	87	Stock box novelties	November	184
Vinyl plastisol (ab)	February	152	Tube, styrene cap for collapsible (pp)	May May	112 87
MUSICAL INSTRUMENTS			Vacuum forming for	August	144
			Vinyl tubes, collapsible	May July	187 128
Bell console, toy styrene (pp)	April October	118 104			
MYLAR			PAINT-See also Coatings and Decorating		
	Y	000	Acrylic resins in (ab)	August August	144 144
Film, electrical properties of (ab) Film, properties of (ab)	June	232 230	Emulsions, symposium on (ab)	October	156
Film, uses for (pl)	May	210 182	Spraying equipment, Finish Engineering (ma)	June	246
Film, uses for (pl) Future for (pl) Properties of (pl) Rope	May	210	(100)		
Tape, sound recording	August	90 96	PAPER		
			Polyethylene lining for (ab)	November September	158 136
N				Deptember	200
NATIONAL PLASTICS EXPOSITION AND			PERSONAL ACCESSORIES		
CONFERENCE	August	108	Adding machine, pencil box (pp) Beach bag, styrene (p_i)	May August	112
NUCLEAR RADIATION—See Irradiation			Beverage case, reinforced plastics (pp) Boxes, luxury novelty Brush, acrylic hair (pp)	February	115
	•		Brush, acrylic hair (pp)	September October	164
NURSERY	,		Ensemble—handbag, belt, hat—acetate (pp) Hair dryer, phenolic hood for	September May	106 100
Baby's bottle, boilable polyethylene (pp)	May	111	Hat holder, styrene (pp)	May	113
Bib, vinyl (pp)	November July	117	Manicuring aid, styrene (pp) Snake bite kit, cellulose acetate butyrate	October	122
Bottle noticer, styrene (pp)	July	89	(pp) Vinyl reinforced tape for shoes	November July	117 162
NYLON			vinyl reinforced tape for snoes	July	102
Adding machine, pencil box (pp) Brush backs	May June	112 122	PHENOLIC		
Brush bristles. Brush bristles, detergent dispensing	June	122	Adhesive, aircraft use of (ab)	August	144
Business machine use of	May August	106 110	Adhesives	November	102
Case, instrument	February	180	Adhesives for glass	February December	107 93
Components, mechanical (ab)	March September	124 100	Antenna base, television	March March	177 128
FOOTDAIL Cleats	March	175	Brush backs, cast  Business machine use of	June	122
Gears, speedometer Insulators, motor	September October	115	Cast girdle molds of	August	110 84
Insulators, motor Leather, coated (ab)	November November	158 156	Cast tiles for word game (pp)	August	112
	March	160	Cutlery handles, impregnated wood	April June	168 152
Moldings, British (ab)		102	Electrical insulator design	May	142
Nut liners Photo copiers, parts for	April	142	Epoxide modified	December	136 205
Nut liners Photo copiers, parts for Refrigerator use of Salad set, molded	June May	142 184		April	
Nut liners Photo copiers, parts for Refrigerator use of	June		Film loader parts	April October	156
Nut liners Photo copiers, parts for Refrigerator use of Salad set, molded	June May	184	Film loader parts Filters, impregnated (ab) Foam, preparation of (ab)	April October July December	156 124 103
Nut liners Photo copiers, parts for Refrigerator use of Salad set, molded	June May	184	Film loader parts Filters, impregnated (ab) Foam, preparation of (ab) Foam, use in aircraft carrier Formaldehyde, determination of free (ab) General-purpose, long flow compound	April October July December March	156 124 103 130
Nut liners Photo copiers, parts for Refrigerator use of Salad set, molded Trends in	June May	184	Film loader parts Filters, impregnated (ab) Foam, preparation of (ab) Foam, use in aircraft carrier Formaldehyde, determination of free (ab). General-purpose, long flow compound Glass molding compounds	April October July December March July September	156 124 103 130 86 169
Nut liners Photo copiers, parts for Refrigerator use of Salad set, molded Trends in  O OFFICE EQUIPMENT	June May January	184 76	Film loader parts Filters, impregnated (ab) Foam, preparation of (ab) Foam, use in aircraft carrier Formaldehyde, determination of free (ab). General-purpose, long flow compound Glass molding compounds Glider wings, -asbestos molded (ab) Handles, pot and pan	April October July December March July September November June	156 124 103 130 86 169 161 175
Nut liners Photo copiers, parts for Refrigerator use of Salad set, molded Trends in  OFFICE EQUIPMENT	June May	184	Film loader parts Filters, impregnated (ab) Foam, preparation of (ab) Foam, use in aircraft carrier Formaldehyde, determination of free (ab) General-purpose, long flow compound Glass molding compounds Glider wingssabsets molded (ab)	April October July December March July September November	156 124 103 130 86 169 161

PHENOLIC (Continued)	Month	Page	PLASTICS INDUSTRY (Continued)	Month	Page
Insulators, motor Iron handles, household	October June	114 180	Synthetic resin plant, induction heating in	September	136
Laminates, high-temperature glass (ab)	February	152	Trademark change-over, Vinylite to Krene,		
Lighting fixtures, progress in	December June	182 134	(pl)	September December	218
Long flow, general-purpose compound	July	86	Trends in (Editorial)	September	i
Lighting fixtures, progress in Long flow, general-purpose compound Mica-filled (pl) Modification by epichlorohydrin	June February	384 146			
Modified	December	136	PLASTIGELS—See also Vinyls		
N.P.E. display Phenoplasts, hardening speed of	August March	- 108 115	Modeling kit (pp)	December	111
Photo copiers, parts for	April July	102 90	modeling are (pp)		
Photo enlarger parts	March	73	PLASTISOLS-See also Vinyls		
Pipe Radio cabinet, small Zenith Radiation, effect of	December	104 148	PLASTISULS-See also vinyis		
Roller guide, laminate	April July	158	Coating, anti-corrosion	April July	197
Roller guide, laminate Rubber- (ab) Sales volume (pl)	March April	124 234	Coating, control valve protective Coating, metal basket	December	192
Snower head	July	88	Coils, coated automobile starter	October April	114 186
Sound recorder, parts for	August June	96 168	Caskets formed	July	98
Trends in	January June	65 124	Plasticizers for Toys, progress in	June	148
			PLYWOOD		
PHONOGRAPH RECORDS, STYRENE	June	172	Adhesives for	November	102
PHOTOGRAPHY			Trailer door reinforcements	October	99
Carrying case, copolymer camera Enlarger, plastics in inexpensive	August	185 90	POLYESTERS		
Film loader, phenolic and styrene in	April	205	Air conditioner housing, reinforced plastics	February	80
Film viewer, reinforced styrene parts for Photo copier, Verifax	April December	109 90	Automobile hodies glass	December August	83 115
Photo copiers, Verifax	April	102	Automobile bodies, mass production of Bathtubs, bag molded Beverage case, insulated (pp)	February	84
Slide holder, styrene (pp)	April	117	Beverage case, insulated (pp) Building construction, use in (Editorial)	February January	115
(pp)	May	110	Chemistry of (ab)  Developments in, British (ab)	November	156
			Drafting medium	November March	156 87
PIPES			Fast curing (pl)	September December	216 125
Chart, corrections for pipe	August	186	Fillers for glass- Film, Mylar (ab)	June	230
Chart of plastics	March	78 242	Fire resistant (ab)	June November	230 156
Corrosion-resistant polyethylene in skating	June		Foamed, for aircraft (ab)	February	83
rinks	September March	90 80	Helmet, reinforced plastics aircraft pilot's Improved new	February October	100
Flanging polyethylene	March	112	Laminates, do-it-yourself market for	August	87
Fluorocarbon hose and pipe	April March	105 73	Marble surface sheets	May July	183 186
Pipe line, report on cross-country (ab)	April	162	Melamine modified with (pl) Motor hoods, reinforced plastics Mylar film, future for (pl) Mylar film, sound recording	February	96
Plastics, future of	March March	73 75	Mylar film, future for (pl)	July August	182 96
Preumatic tube conveyor systems (ab)	Inly	128	Frogress in (pi)	July	184
Polyethylene, Canadian review of (ab) Polyethylene in skating rinks	April September	164 90	Rope Rubber, Chemigum SL (pl)	March October	90 232
Polyethylene water (ab)	June March	232 126	Structural paneling, continuous production	February	88
Reinforced plastics, naval use of (ab) Rigid vinyl (ab)	July	128	of reinforced plastics	December	108
Rigid vinyl fittings, molding	December March	113 81	Tank truck, reinforced plastics "sandwich" walls for	February	87
Standards for	March	73	Toys, progress in	June	148
Standards for	April	212	Transparent, new	October February	107 98
PLASTICIZERS			Trays, reinforced plastics drying Unsaturated, chemistry of (ab) Urethane clastomers (ab)	February April	152 162
Aconitic and tricarballylic acids (ab)	November	156			
Epoxy fatty acid ester (ab) Low cost (pl)	April March	162 212	POLYETHYLENE		
Low cost (pl) Primary, properties of Primary, properties of	November	93	Alathon, new type (pl)	November	228
Secondary, use of	December November	98	Baby's bottle, boilable (pp)	April May	236 111
Secondary, use of Secondary, use of Vinyl molding and extrusion compounds	December November	98 93	Alathon, new type (pl) Applications of, new (pl) Baby's bottle, boilable (pp) Bag liners, thin film (ab)	December	144 160
vinyi moiding and extrusion compounds	December	98	Bags, tapered Beverage case, insulated (pp) Black colorant for (pl)	July February	115
Vinyl, survey of	October	116	Black colorant for (pl)	November April	230 164
N ACTICS TUDISTRY			Blow-molding (ab) Bottle insert, dripless (pp)	May	113
PLASTICS INDUSTRY			Brittleness of, cold (ab)	September March	216 130
Achievements of	June	121	Brush backs Cable cover, submarine (pl)	June	122
Catalin, 25th anniversary of (pl)	January March	81 210	Cable cover, submarine (pl) Cable sheath, measuring thickness of	April May	234 115
Conference, Swedish (ab)	June December	230	Canister set (pp)	October	122
Do-it-yourself market (Editorial)	August	224 5	Carboys (ab) Cellular, by extrusion	May March	149 99
Consolidation and expansion (pi) Do-it-yourself market (Editorial) Europe, lessons from (Editorial) Growth of (ab) Imports, vinyl (pl)	May	5	Chlorosulfonated (ab)	January	134
Imports, vinyl (pl)	April April March	162 236	Chlorosulfonated (ab) Closure, lighter fluid can Coffee can cover and measure (pp)	June July	140 88
India, market prospects in (ab)	March February	124 105	Colors for	August	104
Merchandising, progress in	June	129	Corrosion resistant uses of	July September	188
National Plastics Exposition and Conference	August August	108 224	Cosmetic jars, double walled (pp)	April	119 236
Laboratory, British plastics Merchandising, progress in National Plastics Exposition and Conference N.P.E., report on (p) Pipe, future of	March	73	Colors for Compounds of (pl) Corrosion resistant uses of Cosmetic jars, double walled (pp) Dishware (pl) Dispenser, condiment (pp) Exercises recognifications	October December	111
	March April	81 5	Eyeglass temples, adjustable Flame spraying of Flasks, coated glass (ab)	February February	188 117
Principles of (Editorial) Principles of (pl)	April	240	Flasks, coated glass (ab)	June	232
Production and consumption of plastics Progress in	January January	117 63	Frictional properties of Fruit packaging, for (ab) Future of (pl) Hat, protective bag for	February July	131 128
Progress in, through mistakes (Editorial).	February	5	Future of (pl)	March	208
Public relations of (Editorial)  Publicity for (Editorial)	July October	5	Hat, protective bag for	December September	195 210
Publicity for (Editorial)	August	127	Housewares (pl) Housewares, progress in plastics Housewares, summary of (ab)	June	126
Sales, resins and cellulosics	January January	117 63		January May	134 111
Sales, resins and cellusics Sales volume (pl) Skin hazards in (ab)	April February	224	Irradiation effects	April	100
Skin hazards in (ab)	February August	152 127 5	Irradiation effects Irradiation effects (ab) Melt flow, measurement of	August October	148
Standards and research for	ug ust	121	N P E. dienley	October August	146
Standards and research for	November	5	atta display		
Standards and research for Standards for (Editorial) Statistics of Strength of (Editorial) Successes of (Editorial)	November January March	63 5 5	N.P.E. display Oxidative aging of Package, 'pitcher' Packages, progress in	September December	121 176

POLYETHYLENE (Continued)	Month	Page	PROPERTIES (Continued)	Month	Page
Packaging uses of (pl)	. November	382 158 102	Films, commercially available	June February	203 230 131
Pickle packaging (ab)	. October	156 73	Funginertness of internally plasticized polymers	July	111
Pipe, Canadian review of (ab) Pipe flanging	. April	164 112	Ges paymenhility measuring (ah)	September	138
Pipe for skating rinks Pipes, water (ab)	. September	90 232	High temperature service, materials for (ab)  Halides, evolution of (ab)	August March	142 129
Plumbing applications (ab)	. October	156 212	- Heat distortion, effect of strains on	Movember	141 138
Printing on (pl) Production, estimate of (pl)	. March . November	208 228	Laminates, mechanical (ab)	September	138
Production expansion (pl) Production of (pl) Properties, control of (ab)	. August	226 151	Membranes, permeability of (ab)	August	150 86
Properties of, mechanical (ab)	. August	148	Phenolic, general-purpose long flow Phenolics, modified	February .	146 93
Rope Sheet, molding (ab)	. September	136	Plasticizers, vinyl	December	98 144
Standards for tubing, British (ab)	. September . November	90 156	Polyamides in engineering (ab)	April	121 151
Supply of (pl) Tape, self-bonding	. December	228 185	Polyethylene, control of (ab)	April	100
Trends in	January	106 79	Polyethyelene, mechanical (ab)	May	148 149
Tubing Harness Tupperware, anniversary of (pl)	. May June	180 386	Polymers, electron microscopy, examination of (ab)	January	137
Weed killer, parts in	May	186 166	Polystyrene, diffusion of vapors into (ab) Pyrolysis of plastics in vacuum (ab)	February October	154 159
			Research on	August May	127 183
POLYMERIZATION			Standards for	August November	127 161
Chemistry of (ab)	September September	139 140	Styrene cross-linked by irradiation (ab)	May	150 105
**************************************	Deptember	240	Styrene foam Styrene, glass-filled Styrene, study of degradation of (ab)	April April	109 164
POLYMERS			Teflon, effect of pressure and temperature	October	159
Adhesion of, to cellulose	July	114	Thermal degradation of Teflon (ab)	May June	149 232
Allyl resins, survey of Epoxy, combined with (ab) Film-forming, study of (ab) Funginertness of internally plasticized	October August	139 142	Weather aging of plastics (ab)	June	202
Funginertness of internally plasticized	April July	164 111	ъ		
Injection molding, temperature variations in (ab)	February	154	R		
in (ab) Irradiation, effect of (ab) Reaction rates, constants for (ab)	October August	159 153	RADIO		200
Sheets, stretching of (ab) Solubility of high (ab) Thermal degradation of (ab)	March	131 129	Cabinet, production of (ab)  Cabinet, small Zenith  Cabinets, two, from one mold	June December	232 104
Thermal degradation of (ab) Vinyl type (ab)	August February	147 152	Loudspeaker, vinyl latex in	April	201
POLYSTYRENE—See Styrene			Printed circuits for	June April	158 91
			RAINWEAR		
POTTING  Resists and missiles are of	G44	00	Vinyl, progress in	June	132
Rockets and missiles, use of	September	93	REFRIGERATORS		
PREMIUMS			Drain rail, elastomeric vinyl	February	110
Dolls, molded acetate Styrene, ice cream	December April	97 112	Ice chipper tray, polyethylene (pp) Light housing, urea	May October	111 206
			Plastics use, progress in	June December	142 90
PRESSES			Styrene sheet in	March	82
Compression, Standard Machinery, 150-ton	February	172	REINFORCED PLASTICS		
		183 158	Air conditioner housing	February	80
Compression, Stokes (ma) Hydraulic, M & N (ma) Laminating, Citting (ma) Printing, General Research & Supply (ma) Printing General Research & Supply (ma)	September June	150 244	Air tank, epoxy	December September	181 93
Printing, General Research & Supply (ma) Reinforced plastics, Adamson United (ma)	April July	176 138	Aircraft applications of	October November	198 98
Reinforced plastics, American Steel hy- draulic (ma)	July	142	Alkyd, molded Apron, industrial protective	August November	181 99
Reinforced plastics hydraulic, Davidson- Kennedy (ma)	March	152	Aqua-glas preforming Automobile body, Maverick Automobile bodies, Chevrolet	October December	202 83
Reinforced plastics, Erie Engine hydraulic	July	143	Automobile bodies, plant for (pl)	February	230 115
Stamping, Olsenmark (ma)		170	Automobile bodies, plant for	November October	87 193
PRINTED CIRCUITS	Amall	0.	Baseball caps Bathtubs, bag molded Beverage case (pp)	February	84 115
PRINTED CIRCUITS	April	91	Cable clamps	February August	183
PRINTING	¥		Chair (pp) Chair, Eames Chevrolet automobile body	September December	107 90
Embossing attachment for, Valley (ma)	August	160	Chevrolet automobile body Conference, S.P.I. Corrosion resistant uses of	December February	83 106
Machine, Markoder (ma)  Machine, Markem (ma)  Marking machine, Markem (ma)	March	152 158	Corrosion resistant uses of	September November	83 87
	February September	174 136	Corrugated sheet Corvette automobile body Crocks, chemical resistant (pp) Developments in, British (ab)	December December	83 110
Press General Research & Supply (ma)	April April	114 176	Developments in, British (ab) Dies, steel forming	November September	156 109
Press, Lembo flexographic (ma)  Thermoplastics, processes for (ab)	December July	168 128	Dome, geodesic	September March	162 172
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	220	Doors, garage	November October	87 99
PROGRESS IN PLASTICS, 1953	January	63	Drafting medium  Extruded	March December	87 105
PROPERTIES			Fillers for	December	125
Acrylic, stress and strain crazing of (ab)	Monomboo	161	Garden accessories (pp) Glass fabrics, finishes for (ab)	November October	116 154
Alkyl avyl phosphates (ah)	November June	161 230	Glazing, light control in	April February	109 83
Bond strengths (ab) Chemical-resistance, indices for (ab) Crazing of plastics, atress (ab) Elastic constants, determination of (ab)	February July	154 128	Highly filled glass-polyester	February December	100 125
Elastic constants, determination of (ab)	April April	164 167	Jobs to be done in	February February	101 79
The state of the s					
Electrical, styrene (ab) Electrons, emission of, from stripped films (ab) Expansion, thermal (ab)	December April	167	Manikin, bleeding	July March August	104 93 115

REINFORCED PLASTICS (Continued)	Month	Page	SOCIETIES	Month	Page
N.P.E. display Partitions, room Phenolic-fibrous glass (pl)	August November	108 87	International meetings—I.S.O. and	October	121
Phenolic-fibrous glass (pl)	October	236	I.U.P.A.C. National Plastics Exposition and Conference	August December	108 196
Pipe	March	102 73	New England S.P.I. 9th Annual Meeting S.P.E. Officers	March	180 126
Pipe, naval use of (ab)	March April	126 121	S.P.E. Tenth Technical Conference	February August	109
Production of, continuous	February	88	S.P.I. Reinforced Plastics Div. Conference	February June	106
Production of, continuous Progress in, through mistakes (Editorial) Resins, variety of, used with glass (pl) Roving, woven glass Shoet	February December	226	S.P.E. Officers S.P.E. Tenth Technical Conference S.P.I. Conference—1954 S.P.I. Reinforced Plastics Div. Conference S.P.I. Sixth National Exposition (Editorial) S.P.I. Sixth National Plastics Exposition	June	184
Roving, woven glass	February November	95 87			
Sheet, corrugated Sheet, packaging of Shield, bullet-proof police	February October	90 186	SOUND RECORDING		
Signs, outdoor Silicone-glass, developments in (ab)	November	87	Dictating machine, plastics in	August August	96 96
Soup display	November September	156 102	Mylar tape for Phenolic parts for dictating machine	August	96 172
Soup display . Structural paneling, continuous production	February	88	Phonograph records, styrene	June September	171
Structural panels of	November	87 164			
Structural panels of Styrene-glass (ab) Submarine hull Survey of, industrial	April December	108	SPORTING GOODS		
		79 116	Baseball caps, reinforced plastics	October	193
Tank, 3400-gallon Tank, "sandwich" walls for milk Telephone booth dome	October February	185 87 171	Beverage case, polyethylene and polyester insulated (pp)	February	115
Telephone booth dome	March January	171 134	Camp trailer body, reinforced plastics Cartridge dispenser, molded butyrate	July November	159 180
Tespinone tooth dome Tests, rupture (ab) Toys, progress in Trailer body, camp Trailers, bodies for Tray for food carrier	June July	148 159	Cartridge dispenser, molded butyrate Fish hook holder, styrene (pp)	July October	89 122
Trailers, bodies for	October	99	Fishing float, acetate and butyrate (pp) Fishing reel, nylon parts for Football cleats, nylon Golf ball display, styrene	September March	100 175
		186 98	Golf ball display, styrene	July	157
Trays, drying Windows, outward curving building	May	182	Golf balls, packaging for	September	97
			(pp)	April April	119 106
RESORCINOL—See Adhesives			Outerwear, vinyl	March	164 108
			Submarine, reinforced plastics	December September	90
ROCKETS  Planting in	Contombon	69	Wading pools, packaged vinyl	June	160
Plastics in	September	93	SPRAYED-ON PLASTICS COATINGS	October	93
RUBBER			STANDARDS		
Adhesion testing (ab)	November February	161 107	Merchandising with (Editorial)	November	5
Adhesives, metal-to-metal	December October	93 232	Plastics industry Polyethylene tubing, British (ab)	August	127 156
Plastics and (pl)	July	190	Reinforced plastics need for	November February	79
Addresson testing (ab) Adhesives for glass Adhesives, metal-to-metal Chemigum SL (pl) Plastics and (pl) Resin blends with, rigid (ab) Styrene and, alloy of Vinyl blends with (ab)	August October	142 111	Structural plastics	November	87
Vinyl blends with (ab)	August	142	STATIC-See Anti-Static		
			STYRENE		
S			Adding machine housing	October	106
SAFETY			Adding machine, pencil box (pp)  Adhesive for glass  Air conditioning ducts, automobile	May February	112 107
Baseball caps, reinforced plastics Codes, better building (Editorial)	October	193	Air conditioning ducts, automobile	November	107
Codes, better building (Editorial)					
Coveralls, vinyl protective	January November	187		October August	111 101
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for		187 166 195		October August October August	111 101 154 113
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl	November September December October	187 166 195 103		October August October	111 101 154 113 118 114
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers reflecting acrylic (nn)	November September December October October March	5 187 166 195 103 103		October August October August April February July	111 101 154 113 118 114 89
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab)	November September December October October March October February	187 166 195 103 103 97 186 152		October August October August April February July September May	111 101 154 113 118 114 89 164 106
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer	November September December October October March October	5 187 166 195 103 103 97 186	Alloy sheet, extruded Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool	October August October August April February July September May April April	111 101 154 113 118 114 89 164 106 116
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective	November September December October October March October February	187 166 195 103 103 97 186 152	Alloy sheet, extruded Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage	October August October August April February July September May April April December	111 101 154 113 118 114 89 164 106 116 198 92
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab)	November September December October October March October February	187 166 195 103 103 97 186 152	Alloy sheet, extruded Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage	October August October August April February July September May April April December July February	111 101 154 113 118 114 89 164 106 116 198 92 124 187
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for	November September December October October March October February December	5 187 166 195 103 103 97 186 152 191	Alloy sheet, extruded Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifer (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiation (ab)	October August October August April February July September May April December July February March May May	111 101 154 113 118 114 89 164 106 116 198 92 124 187 206 150
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS	November September December October October March October February December	5 187 166 195 103 103 97 186 152 191	Alloy sheet, extruded Alloya, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab	October August October August April February July September May April December July February March May April September	111 101 154 113 118 114 89 164 106 116 118 92 124 187 206 150 164
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)	November September December October October March October February December	5 187 166 195 103 103 97 186 152 191	Alloy sheet, extruded Alloya, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Boxte, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab) Desk accessory (pp) Diffusion of fractions (ab)	October August October August April February July September May April December July February March May April September July February March May April September July	111 101 154 113 118 114 89 164 106 198 124 187 206 150 164 107 128
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)	November September December October October March October February December	5 187 166 195 103 103 97 186 152 191	Alloy sheet, extruded Alloya, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab) Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab)	October August October August April February July September May April December July February March May April September July February March May April December July April December	111 101 154 113 118 114 106 116 116 116 128 124 127 206 150 167 128 116 144
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab)	November September December October March October February December May June	5 187 166 195 103 103 97 186 152 191	Alloy sheet, extruded Alloya, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab) Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Enamel for (pl) Expandable (ab)	October August October August April February July September May April December July February March May April December July April December April	111 101 154 113 118 114 89 164 106 116 118 92 124 187 206 150 164 107 128 116 144 214
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of	November September December October March October February December May June	5 187 166 195 103 193 197 186 152 191	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Enamel for (pl) Expandable (ab) Extrusion techniques (ab)	October August October August April February July September May April April April April April April April December July March May April December July July April December July April December July	111 101 154 113 114 89 164 106 118 92 124 187 206 150 164 107 128 116 144 214
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe	November September December October March October February December May June	5 187 166 195 103 103 97 186 152 191	Alloy sheet, extruded Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp)	October August October August April February July September May April December July February March May April July February March May April July April	111 101 154 113 118 114 189 164 106 116 118 121 127 120 164 107 118 116 144 144 144 144 144 154 205
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe	November September December October March October February December May June	5 187 166 195 103 103 97 186 152 191	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, moldable Foam, moldable	October August October August April February July September May April April December July March May April December July March May April December July July May April December July April December July April December August January April January April January April July May August	1111 1011 154 118 118 118 119 164 106 108 92 124 127 206 150 150 164 107 128 116 144 214 144 144 144 144 144 145 164 178 178 178 178 178 178 178 178 178 178
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting	November September December October March October February December May June	5 187 166 195 103 103 97 186 152 191	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifer (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, moldable Foam, properties and applications of (ab) Foam, moldable Foam, properties and applications of (ab) Foam insulation Glass-filed uses for	October August October August April February July September May April April December July March May April December July March May April December July May April December July May April December August January April January April May April May April November April May April April May April	111 101 154 113 118 118 116 116 116 116 118 92 124 187 201 164 187 124 141 142 144 144 144 144 154 205 164 164 164 165 166 166 178 187 187 187 187 187 187 187
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming	November September December October October March October February December May June June August March	5 187 166 195 103 103 197 186 152 191 133 230	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-filled, uses for Glass-reinforced (ab) Golf ball packaging	October August October August April February July September May April April December July March May April December July March May April December July May April December July May April December August January April January April May April September August November April April April April September August November April April April April April April April April	111 101 154 113 118 114 89 164 1166 1168 92 124 187 128 128 124 144 144 144 144 144 144 144
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting	November September December October October March October February December May June June August March	5 187 166 195 103 103 97 186 152 191	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-reinforced (ab) Golf ball packaging Hat holder (pp) Heat distortion, effect of strains on	October August October August April February July September May April April December July March May April December July March May April December July March May April December July May April December April December August January April January April Apr	111 101 154 113 118 1118 1148 1166 1166 1198 92 1206 150 164 1187 1206 150 164 144 144 144 144 144 144 144 144 144
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of	November September December October October March October February December May June June August March	5 187 166 195 103 103 197 186 152 191 133 230	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-filled, uses for Glass-filled packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab)	October August October August April February July September May April December July March May April December July March May April December July March May April December July May April December August January April January April April April December May April December December May April December December December December December December	111 101 154 113 118 114 199 106 116 118 1198 124 118 128 116 128 116 128 116 128 128 129 129 124 128 128 128 129 129 129 129 129 129 129 129
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN  Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of  SIGNS—See also Diaplays Acrylic, 13-ft. Shell	November September December October October March October February December May June June August March	5 187 166 195 103 103 197 186 152 191 133 230	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-reinforced (ab) Golf ball packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab) Horse, toy bucking (pp)	October August October August April February July September May April December July March May April December July March May April December July March May April December July May April December August January April January April April April December August November April April April April September May November April April December May November April April December May September May November April Ap	111 101 164 113 118 114 144 144 125 144 124 125 149 109 164 170 170 170 170 170 170 170 170 170 170
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of	November September December October October March October February December May June June August March	187 166 195 103 103 103 103 165 152 191 133 230	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-reinforced (ab) Golf ball packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab) Horse, toy bucking (pp) Housewares (pl) Housewares (pl) Housewares, progress in plastics Lee bucket fibrous glass insulated (pp)	October August October August April February July September May April April December July March May April September July February May April December July April July April July April July April July April September August January April July April July May August November April September April September April July November April September December April April December April December April April December August	111 101 154 113 118 114 199 106 116 118 1198 124 118 128 116 128 116 128 116 128 128 129 129 124 128 128 129 129 129 129 129 129 129 129
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of  SIGNS—See also Displays  Acrylic, 13-ft. Shell Reinforced plastics Signs, butyrate formed (pl)	November September December October October October March October February December  May June August March October February June February December	187 166 195 103 103 103 103 165 152 191 133 230	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Blender, water powered (pp) Boxtle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifer (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab) Degradation, study of (ab) Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Examable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, moldable Foam, moldable Foam, properties and applications of (ab) Foam insulation Glass-reinforced (ab) Golf ball packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab) Horse, toy bucking (pp) Housewares (pl) Housewares (pl) Injection speed, importance of Insulating foam Level, molded	October August October August April February July September May April April December July March May April December July March May April December July March May April December August January April January April	111 101 154 113 118 114 189 166 166 188 198 124 187 206 150 164 107 128 116 144 134 134 144 134 144 134 141 141 103 142 119 119 119 119 119 188
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of  SIGNS—See also Displays  Acrylic, 13-ft. Shell Reinforced plastics Signs, butyrate formed (pl)	November September December October October March October February December  May June  June August March  September	187 166 195 103 103 103 107 186 152 191 133 230 137 144 73	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Degradation, study of (ab) Degradation power tool Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-reinforced (ab) Golf ball packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab) Horse, toy bucking (pp) Housewares (pl) Housewares (pl) Housewares, progress in plastics Ice bucket, fibrous glass insulated (pp) Injection speed, importance of Insulating foam Level, molded Lighting fixtures. progress in	October August October August October August April February July September May April December July March May April December July March May April December July May April December August January April January April April April December August November May November August November August November August November April April April April November August November November	111 101 164 113 118 114 89 164 106 1198 92 124 127 126 164 107 128 114 144 124 128 103 142 190 109 164 107 118 118 118 118 119 119 119 119
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of  SIGNS—See also Displays  Acrylic, 13-ft. Shell Reinforced plastics Signs, butyrate formed (pl)  SILICONES  Cosmetics, use in (pl) Foamed-in-place (ab)	November September December October October March October February December  May June  June August March  September  February November June	187 166 195 103 103 103 107 186 152 191 133 230 137 144 73	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Blender, water powered (pp) Boxtle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifer (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab) Degradation, study of (ab) Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, moldable Foam, properties and applications of (ab) Foam insulation Glass-reinforced (ab) Golf ball packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab) Horse, toy bucking (pp) Housewares (pl) Housewares (pl) Housewares (progress in plastics Ice bucket, fibrous glass insulated (pp) Injection speed, importance of Insulating foam Level, molded Lighting fixtures, progress in Manicuring aid (pp) Mechanical molecular-weight measurements (ab)	October August October August April February July September May April April December July March May April December July March May April December July May April December April December August January April January April November August September August September June April November August June June June	111 101 154 113 118 114 89 166 166 198 198 124 187 206 150 164 107 128 1164 117 128 1164 117 118 119 119 119 119 119 119 119 119 119
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of  SIGNS—See also Displays Acrylic, 13-ft. Shell Reinforced plastics Signs, butyrate formed (pl)  SILICONES Cosmetics, use in (pl) Foamed-in-place (ab) Foams, heat resistant	November September December October October October October March October February December  May June June August March September  September February November June February February February February May May	187 166 195 103 103 103 107 186 152 191 133 230 137 144 73	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, moldable Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-reinforced (ab) Golf ball packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab) Horse, toy bucking (pp) Housewares (pl) Housewares, progress in plastics Ice bucket, fibrous glass insulated (pp) Injection speed, importance of Insulating foam Level, molded Lighting fixtures, progress in Manicuring aid (pp) Mechanical molecular-weight measurements (ab) Mirror clips (pp)	October August October August April February July September May April April December July March May April December July March May April December July May April December April April December August January April January April November August September June October March March March March	111 101 164 113 118 114 144 164 166 198 92 124 127 161 164 164 164 164 164 164 164 164 164
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of  SIGNS—See also Displays Acrylic, 13-ft. Shell Reinforced plastics Signs, butyrate formed (pl)  SILICONES  Cosmetics, use in (pl) Foams, heat resistant Gaskets, Tefion (pl)	November September December October October March October February December  May June August March September  February November June  February November June	187 166 195 103 103 103 103 165 152 191 133 230 137 144 73	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Blender, water powered (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, moldable Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-reinforced (ab) Golf ball packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab) Horse, toy bucking (pp) Housewares (pl) Housewares (pl) Housewares (pl) Housewares (pl) Injection speed, importance of Insulating foam Level, molded Lighting fixtures, progress in Manicuring aid (pp) Mechanical molecular-weight measurements (ab) Mirror clips (pp) Mixing pitcher, household Modified alkyd, styrene in (ab)	October August October August April February July September May April April December July March May April December July March May April December July March May April December April December April December August January April January April November August September August September August September June October March October March March	111 101 164 113 118 114 144 146 164 165 164 167 167 167 167 168 164 167 167 167 167 167 167 167 167 167 167
Coveralls, vinyl protective Fire blanket, vinyl Hat, protective bag for Helmet headband, vinyl Helmets, styrene copolymer Markers, reflecting acrylic (pp) Shield, reinforced plastics police Skin hazards in plastics industry (ab) Vinyl suit, radiation protective  SANDWICH CONSTRUCTIONS Silicone foam cores for Survey of (ab)  SARAN Film, household uses of Film, uses of (ab) Pipe  SHEET—See Film and Sheeting  SHEET FORMING—See also Vacuum Forming Acrylic, biaxial stretch-forming of SIGNS—See also Displays Acrylic, 13-ft. Shell Reinforced plastics Signs, butyrate formed (pl)  SILICONES Cosmetics, use in (pl) Foamed-in-place (ab) Foams, heat resistant	November September December October October March October February December  May June  June August March  September  February November June  February May September November May	5 187 166 195 103 103 103 103 125 152 191 128 128 128 128 128 122 123 123 122	Alloys, colors for Annealing of (ab) Beach bag (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bell console, musical toy (pp) Bottle holder, babies' (pp) Boxes, luxury novelty Brush, detergent dispensing Calendar with magnifier (pp) Case, power tool Catheter gage Coatings, styrenated ester (ab) Construction kits, model Copolymers, new (pl) Crosslinked, by irradiatior (ab) Degradation, study of (ab Desk accessory (pp) Diffusion of fractions (ab) Drawing board, portable (pp) Electrical properties of (ab) Expandable (ab) Extrusion techniques (ab) Film loader parts Fish hook holder (pp) Foam, moldable Foam, properties and applications of (ab) Foam insulation Glass-filled, uses for Glass-filled, uses for Glass-filled packaging Hat holder (pp) Heat distortion, effect of strains on Helmets, copolymer High impact (ab) Horse, toy bucking (pp) Housewares (pl) Housewares (pl) Housewares (pl) Housewares (pl) Housewares (progress in plastics Ice bucket, fibrous glass insulated (pp) Injection speed, importance of Insulating foam Level, molded Lighting fixtures, progress in Manicuring aid (pp) Mechanical molecular-weight measurements (ab) Mirror clips (pp) Mixing pitcher, household Modified alkyd, styrene in (ab) Modified alkyd, styrene in (ab) Modified alkyd, styrene in (ab) Modified corrosion resistant uses of	October August October August April February July September May April April December July March May March May March May March May Mapril December July March May March May April September July April September July April September August November April September April July May August November April November April November May November May October December June April October September June October September March October September March October September March October September March October	111 101 154 113 118 114 89 166 166 198 124 187 206 150 164 107 128 1164 107 128 1164 117 119 1190 1191 1191 1191 1191 1191 1

STYRENE (Continued	Month	Page	TEXTILES	Month	Pag
N.P.E. display	August June	108 161	Acrylic in processing of (ab)	November February	15
Packages, progress in	June	176	Glass roving, woven	May	21
Packaging uses of (pl)	June	382 104	Roving, woven glass	February August	9
Phonograph housing, portable Phonograph records	June	172	Upholstery, vinyl taxicab	August	
Photo enlarger parts	July	90 73	maa.a		
PipePremiums, ice cream	April	112	TOOLS		
Printing overlay (ab)	September	136 82	Case, styrene	April June	19 15
Radio cabinet Radio parts, portable Razor blade packages	June	158	Handles, cellulosics for	March	8
Razor blade packages	June February	176 184	Lievel, moneta express and any		
Recording tape reel	June	142	TOYS AND GAMES		
Rubber and, alloy of	October	111		November	18
Ruler, wheeled drawing (pp)		114 122	Automobile, "Hot Rod" Automotive models, acetate	October	18
Sheet, in refrigerator	March	82 96	Construction kit for models	February	18
Ship, toy pirate (pp)	March April	117	Dolls, premium group of	December October	18
Slide holder, photo (pp)	April May	110	Horse toy styrene(DD)	August	11
Stresses, relieving (ab)	September	136 171	Marionettes, acetate parts for (pp) Modeling kit, vinyl (pp)	August December	11
Telephone accessories, molded (pp)	November November	117 184	Musical bell console, styrene (pp)	April June	11
Tool package		224	Progress in	March	9
Toys, progress in	June	148	Ship, styrene pirate (pp) Statuette, cowboy and horse (pp)	April	11 10
Trends in	May	112	Tractor, remote controlled butyrate (pp)	September September	
Vacuum forming sheet (ab)	July	127	Upgrading of (Editorial)	June	16
Vapors, diffusion of (ab)	February June	154 181	Word game, cast phenolic tiles for (pp)	August	11
Water container for steam iron		179			
			TRANSPARENT PLASTICS, NEW	October	10
YNTHETIC RUBBER—See Rubber			TRENDS IN MATERIALS USE	January	. 6
T					
ABLEWARE—See Dishware, also Household			U		
			UPHOLSTERY		
APE			Sprayed-on vinyl	October	93
Magnetic, preparation of (ab)	February	154	Vinvl automobile	June	13
Mylar (pl) Polyethylene self-bonding	May December	210 185	Vinyl, porous	May August	18
Recording, styrene reels for	February	185	Vinyi, marcao		
Vinyl reinforced	July	162	UREA		
FLON			Adhesives	November	10
Bonding of, fusion (ab)	February	152	Electrical outlets, molded clip-on (pp)	February August	10
Effect of pressure and temperature on (ab)	October	159	N.P.E. display Paper products, resins for	September	130
Gaskets, silicone (pl) Irradiation of, by gamma rays	September October	212 152	Refrigerator light housing	October April	20
Physiological activity of	August	136	Salt and pepper set	September	10
Properties and uses of (ab)	April November	162 156	Toys, progress in	June January	14
Testing molded (ab)	May August	149 160	Trends in	March	12
LEVISION			-		
Antenna base, phenolic	March	177	V		
Cabinets, progress in big	June	124 91	VACUUM FORMING		
Timed circuits for	April	91	Acrylic sheets for	May	81
STING			Advantages of	May March	16
			Cellulose acetate sheets for	May	8
Adhesives (ab)		138	Cellulose acetate butyrate sheets for	May May	8
Adhesives, structural (ab)	April August	168 152	Copolymer sheets for Equipment for	May	9
Bags, leakage in (ab)	March	139	Inexpensive machine for (ab)	June May	23
Compression set, determining (ab) Crazing of plastics, stress (ab)	April	159	Markets for	May	9
Deformation under heat (ah)	October	159	Methods of Molds for N.P.E. display	May	10
Elastomer latices, electron microscopy (ab) Films, stiffness of (ab)	December January	144 137	N.P.E. display	August May	8
Flexibility of unplasticized vinyl, low tem-			Packaging uses of (ab)	August	14
perature (ab) Flexibility tests, simple (ab)	February March	154 132	Production runs by	May May	8
Formaldehyde, determination of free (ab) Gage, modified Bourdon (ab)	March	130	Styrene sheets (ab) Styrene sheets for	July	12
Gage, modified Bourdon (ab)	November	161	Styrene sheets for	May May	8
Impact tester, film and sheet	May December	151 146	Vinyi sheets for		0
Machine, Dillon Universal (ma)	May	158	VATURE		
Melt flow, measurement of	October December	146 146	VALVES		
Mole ratio, determination of (ab) Organic materials, identification of (ab) Polyethylene, cold brittleness of (ab)	December	146	Corrosion resistant	September December	8 16
Polyethylene, cold brittleness of (ab)	December March	145 130	Solenoid operated, Hannifin 4-way (ma)	December	10
Polyethylene, oxidative aging of	September	121	WAYNE G		
Polyhydric alcohols, identification of (ab) Polymeric materials, identification of (ab) .	August December	153 146	VINYLS		
Reinforced plastics, rupture tests for (ab)	January	134	Acetate, future of	September	10
Rubber adhesion (ab)	November December	161 145	Adhesives for glass Adhesives, metal-to-metal	February December	10
	June	234	Adhesives, polyvinyl acetate	November	10
Strains, effect of	November	141	Aircraft windshield cover	May June	18
Teflon, molded (ab)	November November	161 156	Appliance covers, progress in	June	13
Strains, effect of Stress-crazing (ab) Teflon, moided (ab) Temperatures, vinyl transition (ab)	January	134	Automobile interiors Battery separators (ab)	October	15
Ultra-violet absorption methods (ab)	May	151	Bonding to metal (ab)	November October	11 15
Universal machine, Baldwin-Lima-Hamil-		172	Cab upholstery	August	9
Ultra-violet absorption methods (ab) Universal machine, Baldwin-Lima-Hamilton (ma)	February	172			
Vinyl, dimensional changes in rigid	March	120	Cab upholstery Carbazoles (ab) Cement, vinyl acetate emulsions in (ab)	April October	
Universal machine, Baldwin-Lima-Hamilton (ma) Vinyl, dimensional changes in rigid Viscosimeter recording (ab) Weather aging of plastics (ab) Weathering (ab)		172 120 131 232 138	Carbazoles (ab) Cement, vinyl acetate emulsions in (ab) Clothes closet accessories Clothing, outer	April October June April	162 156 170 106

LS (Continued)	Month	Page	VINYLS (Continued)	Month	
Coating, anti-corrosion plastisol	April	197	Pools, packaged wading	June	
Coating, control valve protective	July	83	Porous	May	
Coating formulations, wire	November	93	Printing plates, engraved	April	
Coatings, peelable		93	PVC box, collapsible (ab)	August	
Coatings, shrunk-on (ab)	March	128	Rainwear, progress in	June	
Coils, coated automobile starter		114	Rigid, compounding and processing (ab)	September	
Collapsible tubes (ab)	February	154	Rigid, dimensional changes in	March	
Colors for	August	106	Bigid injection molding	December	
Compounding, symposium on (ab)	July	124	Rigid, pipe (ab) Rigid, processing (ab) Rubber blends with (ab)	July	
Copolymerization of (ab)	September	140	Rigid, processing (ab)	December	
Corrosion, protective coating against	April	197	Rubber blends with (ab)	August	
Corrosion resistant uses of	September	83	Saran film, household use of	June	
Coveralls, protective	November	187	Scintillators	March	
Covers, progress in appliance	June	178	Sealant, automobile joint	February	
Curtains, progress in window	June	130	Sheetmetal (ab)	December	
Dimensional changes in rigid	March	120	Sheeting, do-it-yourself market for	August	
Do-it-yourself market for, tile	August	87	Skating rink	March	
Drapes, progress in window	June	130	Sponges, properties and uses of (ab)	March	
Elastomeric molding, large, for refrigerator	February	110	Sprayed coat, protective	November	
Eraser (pp)	October	122	Sprayed coatings	October	
Fabrics, do-it-yourself market for	August	87	Sprayed-on masks	September	
Film, formulations for blown	November	98	Sprayed uses of (ab)	February	
Fire blanket	September	166	Sprinkler hose, four-channel (pp)	March	
Flexibility of unplasticized, low temperature	September	100	Sprinkler hose, four-channel (pp) Stabilization of (ab)	October	
(ab)	February	154	Stabilizers for	November	
Floor mats	September	175	Stabilizers for, lead (ab)	October	
Floor tile, progress in	June	146	Steel laminate	May	
Flooring, do-it-yourself market for	August	87	Suit, protective against radiation	December	
Floors, extrusions in terrazzo (ab)	June	232	Surface coatings, polymers in (ab)	September	
Foam, gas-expanded	April	136	Table covers, progress in	June	
Frictional properties of	February	131	Tape, reinforced	July	
Garden hose formulations	November	93	Taxicab upholstery	August	
Gaskets, foamed	July	80	Thermostat sleeve, moisture proof	August	
Gaskets, formulations for		93	Tile, wall	June	
Helmet headband, safety	November October	103	Toilet seat, upholstered	September	
Hose formulations	November	93	Toys, progress in	June	
Hose, steel reinforced (ab)	June	232	Transition temperatures (ab)	January	
Housewares (pl)	September .	210	Trends in	January	
Imports of (pl)	April	236	Tubes, collapsible	May	
Injection molding wigid	December	113	Tubes, collapsible (ab)	July	
Injection molding, rigid	October	156	Unplasticized PVC, fabrication of (ab)	January	
Insulation for electrical components (ab) .		162	Upholstery, sprayed-on	October	
Laminate to metal	April May	107	Upholstery, taxicab	August	
Laminates, do-it-yourself market for	August	87	Wall coverings, do-it-yourself market for	August	
Latex, loudspeaker use of	April	201	Wall coverings, progress in	June	
Lemon squeezer (pp)	September	106	Wall coverings, sprayed-on	October	
Light diffuser (pp)	April	117	Wire rope core (pl)	September	
Manikin, bleeding	March	93	Wiring strip	August	
Masks, sprayed-on	September	98	many may recommend the second		
Metal- sheet (ah)	December	142			
Metal-, sheet (ab) Molds, flexible, how to make	July	93			
Molds plastical (ab)	February	152	W		
Molds, plastisol (ab) N.P.E. display		108	···		
Non-toxic compounds of	August November	93	WALL COVERINGS		
Outerwear	April	106	WALL COVERINGS		
Packages, progress in	June	161	Do-it-yourself market for styrene	August	
Packaging uses of (pl)	June	382	Do-it-yourself market for vinyl	August	
Photo copiers, parts for	April	102	Sprayed-on	October	
Pipe	March	73	Strong well tile	June	
Plasticizers, aconitic and tricarballylic (ab)	November	156	Styrene wall tile	June	
Plasticizers, epoxy fatty acid ester (ab)	April	162	Vinyl, progress in	December	
Plasticizers for	October	116	vinyl sheet for (pl)	December	
Plasticizers for molding and extrusion com-	October	110			
pounds	November	93	WIRE		
Plasticizers for molding and extrusion com-	Movember	00	WIND		
pounds	December	98	Fluorocarbon insulated (ab)	December	
Plasticizers, properties of primary	November	93	Polyethylene foam coating	March	
Plasticizers, properties of primary	December	98	Vinyl coatings	November	
Plasticizers, use of secondary	November	98	vinyi coatings	*40 vermoer	
Plasticizers, use of secondary	December	98			
Plastigels, production and uses of (ab)	October	154	WOOD-See also Plywood		
Plastisol coated metal basket	December	192	WOOD—See also Flywood		
Plastisol molds (ab)	February	152	Adherines for	November	
Plastisol molds (ab)			Adhesives for	June	
Polymer type (ab)	February	152	Cutlery handles, phenolic-impregnated	June	
Polyvinyl chloride, stabilization of	September November	103 150	Phenolic-impregnated cutlery handles Resin bonded, continuous (ab)	March	
			Read honged, continuous (RD)	MATCH	

# 3 INDEX OF AUTHORS

AUTHORS	Month	Page	AUTHORS	Month	Page
A Aires, Robert S. Epoxy Casting Resins in Electronics Axilrod, B. M. Biaxial Stretch-Forming of Acrylics	July	118 128	Bjorksten, Johan. Polyurethane Resins Boatwick, R. Restricted Gating Bowers, R. C. Frictional Properties of Plas- tics Braham, William E. The Plastics Era in Aircraft	October February	148 125 131 92
В			C		
Bancroft, Dr. G. H. Vacuum Metallizing of Plastic Sheet Bender, H. L. Hardening Speed of Pheno- plasts Bergen, H. S. What You Should Know About Plasticiners Biefeld, L. P. Highly Filled Glass-Polyester Plastics Biggs, B. S. Oxidative Aging of Polyethy- lene		122 115 93 125 121	Clinton, W. C. Frictional Properties of Plastics Conway, William T. Spiral Abrasive Drum Covers Corbett, Berbert O. A New Look at Extru- sion Costanza, Leonard, J. The Plastics Era in Aircraft Cowell, Elmer E. What You Should Know About Plasticizers	February November	131 138 198 92 93
			Modern	Plastics	15

HORS	Month	Page	AUTHORS	Month	P
D			McLaren, A. D. Adhesion of Polymers to Cellulose	July	
Dannis, M. L. Dimensional Changes Rigid Vinyls	in		Cellulose Morris, J. J. What You Should Know About Plasticizers Moser, Frank. Adhesives Advance	October	
Rigid Vinyls  Deckel, E. B. What You Should Know Abo	March	120	Moser, Frank. Adhesives Advance	February	
Plasticizers Dollard, Jr., Henry L. Polyurethane Resi Tovey, Henry. Polyurethane Resins. Donaldson, W. E. The Plastics Era in Ai	ns April	98 143 143	ing	May	
Donaldson, W. E. The Plastics Era in Ai craft Douglas, H. T. Bag-Molded Bathtubs	September	92 84	N		
Transfer of the late of the la			Nelson, J. D. Phenolic Foam in Aircraft Carriers	December	1
E			Neville, Harvey A. Modified Phenol-For- maldehyde Resins	December	1
Eicholtz, Virginia. Color Surveys: 5 Methor Eppler, W. T. Thickness Gaging and Contr Epstein, George. Adhesives Advance	ds July ol May December	72 115 93	P		
F			Parker, D. H. Colorants for Vinyls Peacock, William H. Types of Colorants for	August	1
Ferrari, Edward. How to Make Flexib	de		Plastics	July March	-
Model Molds	July	93	Pledger, Flave. Polyethylene Pipe Flanging Pressen. Helmut. Funginertness of In- ternally Plasticized Polymers	July	
G					
Goodwin, William J. Coloring Polyethyler	ne August	104			
Greenspan, Frank P. Epoxidation-Hydroxylation Reactions Guyol, J. T. Color in Styrene and its Alloy	y-	123	Reinhart, Frank W. Properties of Plastics	June	
Guyol, J. T. Color in Styrene and its Alloy	ys August	101	Riley, C. R. The New Transparent Plastics Ryan, D. J. Polyethylene Pipe Flanging Ryan, J. W. Radiation of Polytetrafluoro-	October March	
H			ethylene	October	
Hagemeyer, D. R. Physiological Activity	of.		Ryan, John W. Effect of Pile Radiation on Electrical Insulation	April	
Fluorocarbon Polymers	. July	136			
dehyde Resins	. December	136	S		
ethylene Higgins, W. T. Cellular Polyethylene b		121	Schmidt, Paul E. Injection Speed	November	
Extrusion Hinds, George L. Lighting System Red	. March	99	Scott, Lynn. Color Sells Plastics	July	4
signed in Reinforced Plastics	. July	104	Plantics Sheppard, Harry R. Polyester-Glass Molding	December	
Foams	. May	133	Compounds	April	
Formaldehyde Resins		136	Slone, Murray C. Properties of Plastics Films	September	
(No sales) - Lugary street			Spilner, A. J. Embedding in Acrylics Stahl, William H. Funginertness of Inter- nally Plasticized Polymers	June November	
				July	
Ingle, George W. The Problems of Color in Plastics Insinger, T. H. Color in Styrene and it		70	cating Honeycombs Stubblebine, Warren. Physiological Activity of Fluorocarbon Polymers	February	
Alloys	. August	101	of Fluorocarbon Polymers	July	
J			T		
Jolly, R. E. Melt Flow of Polyethylene . Joslin, C. A. Restricted Gating	October October	146 125	Thomas, Islyn. Solving Big Mold Problems . Tordella, J. P. Melt Flow of Polyethylene .	June October	3
K			w		
Kelton, Jr., Stanton C. Acrylic Color Tech			Waychoff, Walter. What You Should Know		
niques Kuhn, J. H. Engineering Nylon Gears	. August . September	115	Waychoff, Walter. What You Should Know About Plasticisers Weyer, D. E. Heat-Resistant Silicone Foams Whitlock, C. H. Mold Temperature Control	November May October	
L			Wiese, Randolph A. Flame-Spraying of Polyethylene Wikstrand, W. Carl. Factors in Electrical	February	
Lemons, Carl R. The Plastics Era in Air		-	Insulator Design	May	-
craft Lynn, Lawrence. The Allyl Resins	. September . October	139	Wolock, I. Biaxial Stretch-Forming of Acrylics	September	
M			Y		
Mack, Gerry P. Stabilization of Polyviny		-	Yarm, Sidney D. Lighting System Rede-	100-100	
Chloride Mark, H. F. Effect of Strains on Heat Dis		160	signed in Reinforced Plastics	July	1
tortion	. November . November	141 102	Z		
McIchore, J. A. Effect of Strains on Hea Distortion	. November	141			
metanyern J. J. Color in Styrene and it			Zisman, W. A. Frictional Properties of		

